

# DOCUMENT RESUME

ED 283 682

SE 048 217

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**TITLE** Square One TV: Season One Content Analysis and Show Rundowns.  
**INSTITUTION** Children's Television Workshop, New York, N.Y.  
**PUB DATE** 24 Mar 87  
**NOTE** 162p.  
**PUB TYPE** Reports - Descriptive (141) -- Reports - Research/Technical (143)  
**EDRS PRICE** MF01/PC07 Plus Postage.  
**DESCRIPTORS** Educational Television; \*Elementary School Mathematics; Elementary Secondary Education; Geometry; Heuristics; Mathematical Applications; \*Mathematical Enrichment; Mathematics Education; \*Mathematics Instruction; Mathematics Skills; Problem Solving; \*Public Television; \*Secondary School Mathematics; Statistics; \*Television Research  
**IDENTIFIERS** \*Childrens Television Workshop NY

## ABSTRACT

This report describes an analysis of the segments and shows of the first season's production of "Square One TV" in terms of its elaborated goals. It includes charts and graphs showing the treatment of objectives for the series' goals across the 75 shows of the series. The goals of the series are: (1) to promote positive attitudes toward, and enthusiasm for, mathematics; (2) to encourage the use and application of problem-solving processes; and (3) to present sound mathematical content in an interesting, accessible, and meaningful manner. Almost 85% of the segments of the series addressed the first goal by explicitly showing mathematics to be a powerful and widely applicable tool. With regard to the second goal, it was found that 77% of the shows model the use of at least one problem-solving heuristic. More than 93% of the segments address the third goal by incorporating one or more of the series' seven mathematical areas. The document also provides a listing of the shows, with a complete specification of each segment's show number, content, format, length, context, and other information. (TW)

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## SQUARE ONE TV

### SEASON ONE CONTENT ANALYSIS AND SHOW RUNDOWNS

March 24, 1987

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## EXECUTIVE SUMMARY

This report summarizes the mathematical and pedagogical content of the 75 shows in SQUARE ONE TV's first season, relating that content to the three goals of the series. It also provides a rundown of the shows, with a complete specification of each segment's show number, content, format, length, context, and other information.

The goals of the series are these:

- I. to promote positive attitudes toward, and enthusiasm for, mathematics;
- II. to encourage the use and application of problem-solving processes; and
- III. to present sound mathematical content in an interesting, accessible, and meaningful manner.

The report includes a detailed elaboration of the goals.

Goal I. Almost 85% of the segments of the series address Goal I by explicitly showing mathematics to be a powerful and widely applicable tool; or an aesthetically pleasing subject; or by showing that it can be understood, used, and even invented, by non-specialists.

Goal II. Of the 272 problem-solving segments that appear in the course of the 75 shows, virtually all address Goal II by explicitly illustrating the formulation or treatment of problems. Moreover, some 77% model the use of at least one problem-solving heuristic, and almost one-half incorporate the important stage of problem follow-up (by looking for alternative solutions or extending to related problems, for example).

Goal III. More than 93% of the segments address Goal III by incorporating one or more of the series' seven mathematical areas (numbers and counting; arithmetic of rational numbers; measurement; numerical functions and relations; combinatorics; statistics and probability; and geometry). Almost two-thirds involve more than one mathematical topic, thus reinforcing interrelations among mathematical concepts.

SQUARE ONE TV  
SEASON ONE CONTENT ANALYSIS AND SHOW RUNDOWNS

This report describes the analysis of the segments and shows of the first season's production for SQUARE ONE TV in terms of its elaborated goal statement (Appendix A). It includes charts and graphs showing the treatment of objectives for the series' goals across the 75 shows of the series. Rundowns of the 75 shows (Appendix B) include descriptions of each segment of each show.

THE GOALS

The series has three goals:

- I. to promote positive attitudes toward, and enthusiasm for, mathematics;
- II. to encourage the use and application of problem-solving processes; and
- III. to present sound mathematical content in an interesting, accessible, and meaningful manner.

Of the three goals, Goal I, the primary goal, is the most elusive. People respond to mathematical ideas if they see concepts linked to concrete situations, if the ideas appear beautiful and dynamic, or if they seem accessible to people with whom the viewer can identify. We reviewed each segment in terms of these three motivational criteria.

Goal II operates through segments that illustrate problem-solving behavior and problem-solving heuristics. Roughly speaking, there are three stages of problem-solving behavior: problem formulation, problem treatment, and problem follow-up. However,

problem-solving is rarely linear or so simply described. Instead, a problem solver moves among the three types of behavior, applying heuristics at each stage, for example, in representing a problem, in transforming a problem, in looking for patterns or other pertinent information, or in developing an alternative point of view. Having produced 225 segments that explicitly pose a problem, we analyzed their depiction of problem-solving behavior and heuristics.<sup>1</sup>

Goal III involves the presentation of a broad spectrum of mathematics. In developing material for the series, we aimed to provide mathematics which had clear ties to school curricula and also mathematics which would extend viewers' school experience. The original Goal III outline served as a guide for production as the content department developed assignments for writers, animators, lyricists, and producers.

After production, however, we reorganized the Goal III elaboration basing it on seven areas of mathematics:

- Numbers and Counting;
- Arithmetic of Rational Numbers;
- Measurement;
- Numerical Functions and Relations;
- Combinatorics and Counting Techniques;
- Statistics and Probability; and
- Geometry.

We also reorganized the sub-categories somewhat. The danger in this, or any other, division and sub-division is an unintended suggestion of artificial boundaries between areas rather than a

1. In addition to the explicit problem-solving segments, 163 segments exemplify the mechanics of heuristics in presenting the mathematics. For example, Smilin' Al uses a gadget in Math 'R Us: Place Value Holder, characters in the Data Headache sketches use charts and graphs, and Blackstone consistently uses objects as illustrations.

reinforcement of commonalty. In fact, many segments deal with more than one area of mathematics.

### THE SHOWS

In terms of mathematical organization, there are two types of shows: those with a particular mathematical emphasis and those which are based on a variety of mathematical topics. A show is of the first type if there is a single topic which is the focus of segments comprising about one-third of that show; there are 44 such shows. For example, Show 106, with an emphasis on angles, includes a music video, Angle Dance; a live-action film, Playing the Angle; an animation, Pong; and Mathnet: Missing Baseball, Part I, in which the Mathnet team investigates the angle of rebound of a ball from a billboard.

The 31 remaining shows are essentially eclectic in their mathematical content. However, 17 shows have a mini-emphasis: two or more segments on the same topic, but running significantly shorter than one-third of the show. An example of a show with a mini-emphasis is Show 151 which includes three short pieces dealing with pentominoes (Person on the Street: Pentominoes; Joke in the Box, a studio sketch; and Pentominoes, an animation). Mini-emphases may serve to support the mathematics of a show's Mathnet episode. A list of the shows with their particular emphases, if any, appears on page 3a.

## SHOW EMPHASES

<u>Show #</u>	<u>Main</u>	<u>Mini</u>	<u>Emphasis</u>	<u>Show #</u>	<u>Main</u>	<u>Mini</u>	<u>Emphasis</u>
101				138	X		Parity
102				139	X		Working Backwards
103				140	X		Probability
104	X		Scale	141	X		Angles
105	X		Percents	142	X		Data Processing
106	X		Angles	143	X		Geometric Objects
107	X		Percents	144	X		Spatial Measurement
108		X	Volume	145	X		Additivity
109		X	Odd and Even Numbers	146	X		Square Numbers
110	X		Combinatorics	147	X		Rounding
111	X		Probability	148		X	Multiplication
112				149	X		Functions
113	X		Fractions	150			
114		X	Two-dimensional Shapes	151		X	Pentominoes
115				152			
116	X		Spatial Measurement	153	X		Place Value
117	X		Area and Perimeter	154		X	Palindromes
118	X		Figurate Numbers	155	X		Quadrilaterals
119	X		Rounding	156			
120	X		Prime Numbers	157	X		Scale
121	X		Common Multiples	158	X		Data Processing
122				159			
123	X		Area of Irregular Shapes	160		X	Large Numbers
124	X		Factors and Primes	161		X	Permutations
125		X	Multiples	162		X	Rates
126	X		Data Organization	163	X		Probability
127	X		Scale	164	X		Functions (Coding)
128	X		Probability	165	X		Infinity; Parity
129		X	Percent	166	X		Multiples and Factors
130				167		X	Tessellations
131	X		Place Value	168	X		Fractions
132	X		Metric Measurement	169	X		Area and Perimeter
133		XX	Tessellations; Fibonacci Sequences	170		X	Percents
134	X		Percent	171		X	Metric Measurement
135		X	Rates and Ratios	172			
136	X		Fractions	173	X		Logical Thinking
137				174			
				175			

## ANALYSIS OF SEGMENTS

First season production for SQUARE ONE TV yielded 684 segments. The seven segment formats occur with the following frequencies:

Studio Sketch	219
Animation	126
Mathnet Episode	35
Song	35
Game Show	31
Live Action Film	31
Bumper <sup>2</sup>	207
Total	684

Thirty-one segments have more than one part, all of which appear in the same show, although separated by other segments.

We analyzed each of the 684 segments for its contribution in achieving each of the series' goals. Checking each segment against the goals' criteria involved more than 42,000 yes-or-no decisions. The results of the analysis reside in our comprehensive computer database. This information will be particularly useful to compare the content of SQUARE ONE TV with other resources in mathematics education--for example, scope-and-sequence charts of mathematics textbook curricula.

In reading the following description of the analyses, refer to the elaborated goal statement in Appendix A and to page 5a, which duplicates the segment analysis sheet.

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2. A bumper is a short segue between segments of a show. Examples are Newroom Interrupts, and Warnings.



## GOAL I ANALYSIS

Because Goal I is attitudinal and motivational, it is difficult to measure objectively. Our analysis recognizes only what is explicitly exhibited or expressed, not what the viewer may infer. Goal I has three criteria. We provide an example in what follows for each criterion, even though the example cited may satisfy other criteria as well. For example, Callous: The Survey links mathematics to a concrete situation when J. B. and his family quiz a representative sample of people in Grasshopper Gulch and create a circle graph to interpret their data. (Coded IA, Mathematics as powerful and applicable.) Daddy Knows Different: Stainless Forks depicts the power of a mathematical idea when Daddy is literally knocked out by the amount of money generated in a month by doubling every day after starting with a penny. (Coded IB.) Similarly, the graphics of The Infinity Song suggest the beauty of mathematics. (Coded IB.) Coding for the third category under Goal I recognizes some character who is a non-specialist, non-expert, non-teacher figure, non-super person, that is, an ordinary person inventing or initiating some piece of mathematics. In I Love Lupy: Elephant, Lupy and Gretl estimate how many elephants could fit in the living room. (Coded IC.) Alph and Throckmorton in The Phoneymoon sketches are also representatives of non-specialists. However, this description clearly excludes Blackstone, Common-Multiple Man, and the Forestry sketches.

# CONTENT ANALYSIS

**Positive Attitudes and Enthusiasm:**  
**Powerful and Applicable Tool**  
**Beautiful Aesthetically Pleasing Subject**  
**Initiated, Developed, and Understood by Non-Specialist**

## R ANALYSIS

Unanswered questions to viewer  
 Invitation to participate  
 Calculator use  
 Computer use  
 Mistakes made and corrected

II

Mathematics Content

## GOAL II

### ACTION

#### A. PROBLEM FORMULATION

1. Recognize a problem; State a problem
2. Assess value of solving
3. Assess possibility of solving

#### B. PROBLEM TREATMENT

1. Recall information presented
2. Estimate or approximate
3. Make measurements; Gather data; Check resources
4. Calculate, or Manipulate geometric (Mental or Physical)
5. Consider probabilities
6. Use trial and error; Guess and check

#### D. PROBLEM FOLLOW-UP

1. Discuss reasonableness of results (and precision of results)
2. Look for alternative solutions
3. Look for alternative ways to solve
4. Look for, or extend to, related problems

### HEURISTICS

#### C1. REPRESENT PROBLEM

- a. Scale model, drawing, map
- b. Picture; Diagram, gadget
- c. Table; Chart
- d. Graph
- e. Use objects; Act out

#### C2. TRANSFORM PROBLEM

- a. Reword, clarify
- b. Simplify
- c. Find subgoals, sub-problems (work backwards)

#### C3. LOOK FOR

- a. Patterns
- b. Missing info
- c. Distinctions in kinds of information-pertinent, extraneous

#### C4. REAPPROACH PROBLEM

- a. Change point of view; Reevaluate assumptions
- b. Generate new hypotheses

Date: \_\_\_\_\_

Prod. #: \_\_\_\_\_

Coder: \_\_\_\_\_

Title: \_\_\_\_\_

## GOAL II ANALYSIS

The segments analyzed for Goal II were those which explicitly present a problem for solution within the segment. For the 225 segments that meet this criterion, the analysis requires that the problem-solving behavior or application of heuristics be explicit in the sketch.

In formulating a problem, a character might explicitly recognize or state a problem as in Callous: Candy Box. (Coded IIA1.) A character might also assess the value of solving a problem as did Lupy in I Love Lupy: Licorice. (Coded IIA2.) And characters might assess the possibility of solving the problem at hand as in Sinbad and the Twenty Coins. (Coded IIA3.)

In treating a problem, a character might recall information explicitly presented earlier in the sketch as in Appliance Pull. (Coded IIB1.) Estimation and approximation both appear in solving the problem in Cartablanca. (Coded IIB2.) Measuring, gathering data, and checking resources appear in various episodes of Mathnet. (Coded IIB3.)

Throckmorton performs an interesting calculation in The Phoneymooners: Hole in the Wall, while Bobo manipulates objects to solve the problem of Bobo's Dilemma. (Coded IIB4.) Let's Do a Deal shows characters considering probabilities on the way to a solution. (Coded IIB5.) In Koatrak, characters use trial-and-error or guess-and-check to approach their problem. (Coded IIB6.)

The three stages of problem-solving behavior interweave with problem-solving heuristics modeled by characters as they solve their problems. One set of heuristics deals with problem representation. For example, Frank Lloyd Wright used a scale model and drawing in The Wrong Building. (Coded IIC1a.) Superguy uses a gadget--a function machine--in Celebrity Kitchen. (Coded IIC1b.) He also uses a chart in Flying Down to Freezo. (Coded IIC1c.) A clerk uses a graph in Ice Cream Store: Calories (Coded IIC1d), while Marshmallow uses objects in Wooden Candy Bars (Coded IIC1e).

In transforming a problem, a character might reword or clarify the issue, as the judge did in Shoemaker and Elves. (Coded IIC2a.) A character might simplify the problem or find sub-goals or sub-problems, as did the girl in the animation Cat, Bird, Kibble. (Coded IIC2c.)

Other heuristics include looking for a pattern, as in Harry and Elmo (Coded IIC3a), looking for missing information, as in Spade Parade: Des Moines Duck (Coded IIC3b), and distinguishing between pertinent and extraneous information, as in Mathnet: Missing Monkey (Coded IIC3c). In reapproaching a problem, a character might change point of view or reevaluate previous assumptions, as in Elephants in Pens (Coded IIC4a.) Or a character might generate a new hypothesis, as did the Mathnet squad in many adventures. (Coded IIC4b.)

Following-up a problem involves discussing the reasonableness or precision of the results, as in Phonemoooners: Juggling the

Books. (Coded IID1.) Some segments involve a character who notes that an answer is not reasonable and returns either to formulate another problem or use another approach, as in Star Truck Bland Stand. Having found a solution, a character might look for another one, as in Mathwoman and Robert, the Boy Number (Coded IID2) or look for alternative ways to solve the problem, as in Superguy: The New Cape Caper (Coded IID3), or look for a related problem, as in Multi-Gloves (Coded IID4).

### GOAL III ANALYSIS

Each of the seven areas of mathematics listed for Goal III is further divided as shown in the goal elaboration in Appendix A. Sub-categories are convenient to analyze the mathematical content of the segments. However, as we indicated earlier, they should not suggest any attempt to segregate mathematical ideas. In fact, many segments involve problems which cut across several areas.

The show rundowns in Appendix B include the three goal analyses for each segment. Consequently, one can find examples of each of the Goal III topics in the rundowns.

In our initial analysis of the segments, we attempted to distinguish between primary and secondary sub-category treatment, if any. We abandoned the distinction because in many cases it was difficult to make a clear case of primality. Moreover, to some extent, the mathematical content is a function of the viewer's experience and perception. For example, to a less sophisticated viewer, But Who's Counting? may appear as a game

primarily involving place value, while a more experienced viewer may concentrate on its probabilistic aspects.

#### FURTHER ANALYSIS

Several pedagogical concerns fall outside the elaboration of the series' goals, but are important both as a summary of the content of the first season and as a guide to future production.

Calculator or computer use. These important tools are increasingly prevalent in the culture as well as in education. Mathematics educators are justly concerned about their appropriate use and incorporation into instruction. How to use them is not a specific concern of the series ; characters use them when it is natural and appropriate. We noted each instance of calculator or computer use in the series, as in Million Dollar Give Away or Bureau of Missing Numbers.

Viewer participation. One learns mathematics by doing it. The series provides explicit invitations for direct participation, as in the game show But Who's Counting?, in which viewers are encouraged to play along. Other segments leave unanswered questions for consideration during intervening segments as in the Museum sequence or after the show as in Mathwoman and Robert, the Boy Number. We separately tallied segments that invite participation or leave unanswered questions.

Exhibiting mistakes. Mistakes can be instructive. They are inevitably part of problem solving and learning. Modeling appropriate behavior in the face of errors or mistakes is part of

the design of the series. We counted all segments in which a character makes a mistake and corrects it, such as Whither Weather and Cosmic Carpets.

### TALLIES

Season One comprises 75 shows with 765 segments, counting repeated segments. The seven segment formats occur with the following frequencies:

Studio Sketch	223
Animation	100
<u>Mathnet</u> Episode	75
Song	80
Game Show	28
Live Action Film	37
Bumper	222
Total	765

The charts and graphs below relate the treatment of the objectives and categories of the goals across the 765 segments.

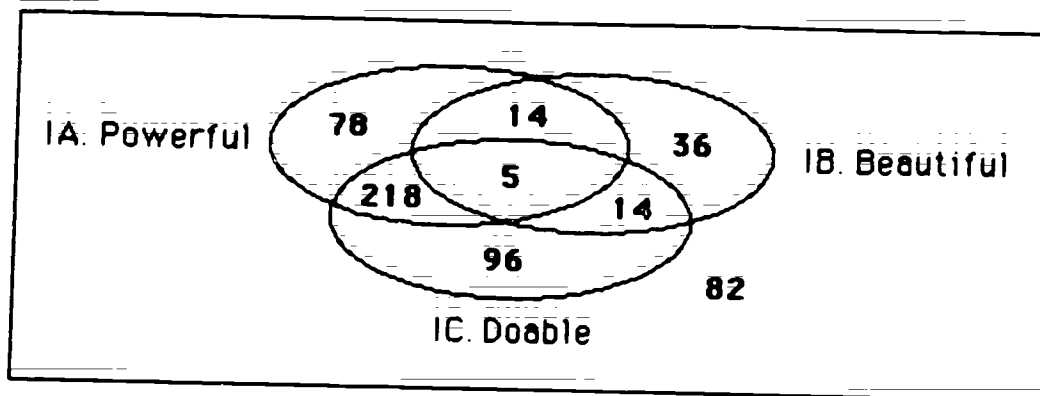
The length of a segment is not necessarily a measure of its mathematical or pedagogical significance. Longer sketches needing time for character or plot development may, in fact, be less tightly focused on a mathematical point than a brief animation. Moreover, longer sketches with richer problems may involve several areas of mathematics. It is not clear how one should apportion time across content.

Bumpers are typically not codable and so are excluded from consideration in the tallies. Their exclusion leaves a base of 543 segments for analysis.

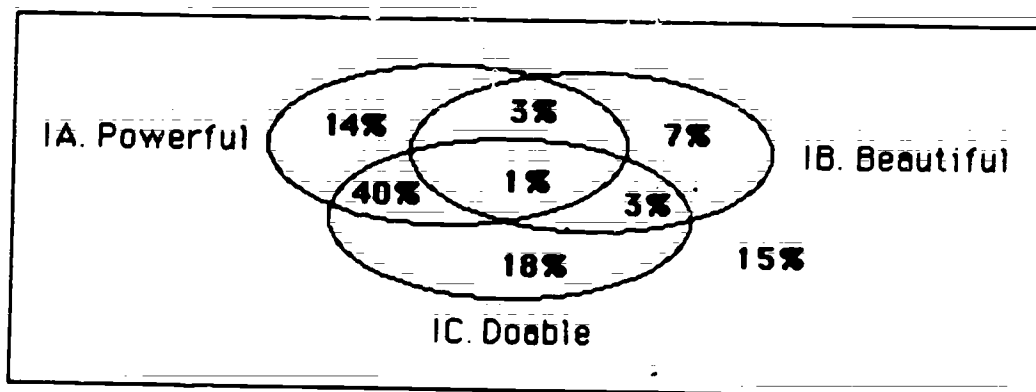
## GOAL I TALLIES

Of the 543 codable segments, 461 (85%) satisfy one or more of the criteria for Goal I. The Venn diagrams below show the distribution in detail.

Raw numbers:



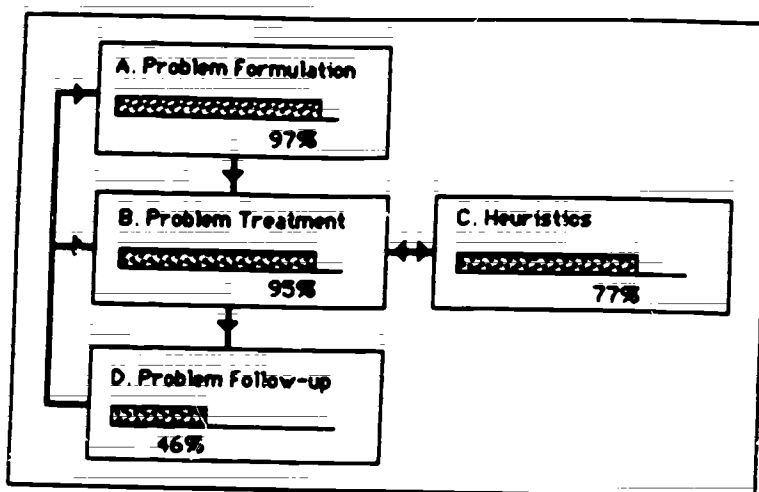
Percentages:





## GOAL II TALLIES

Of the 543 codable segments, 274 are problem-solving segments, that is, they explicitly present a problem for solution within the segment. The diagram below, which is intended to recall the relations among the four aspects of problem solving, shows the percentage of segments which address each of the four principal Goal II objectives. Note that segments may meet more than one objective.

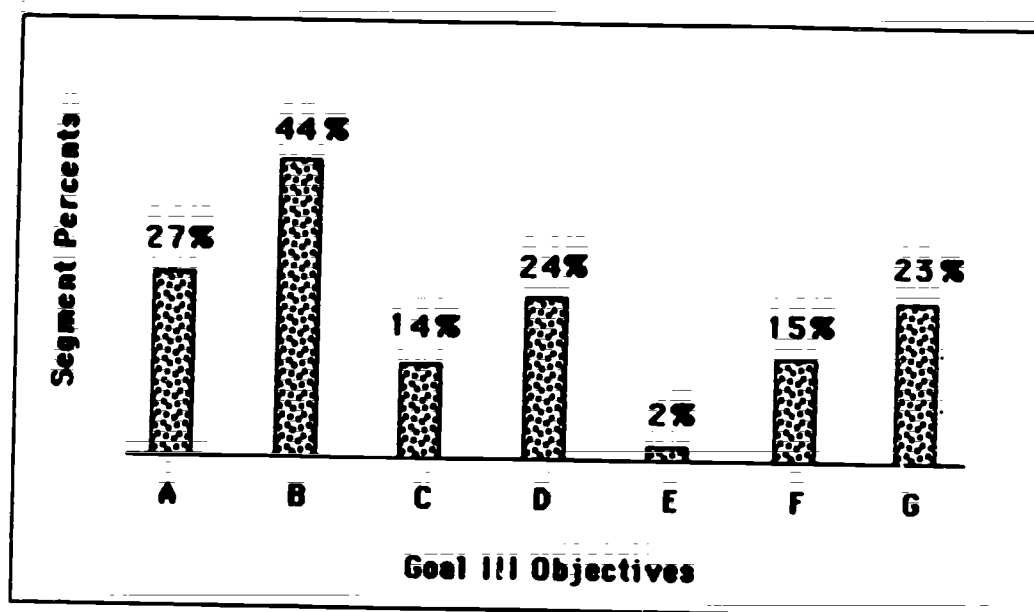


The matrix below records the number of segments that meet each sub-objective. For example, 268 segments meet sub-objective A1 (Recognize and state a problem).

Objectives	Subsection					
	1	2	3	4	5	6
A. Formulation	268 (97%)	74 (27%)	38 (14%)	--	--	
B. Treatment	93 (34%)	56 (20%)	113 (41%)	100 (65%)	24 (9%)	43 (16%)
C. Heuristics	170 (62%)	115 (42%)	46 (17%)	73 (26%)	--	--
D. Follow-up	103 (37%)	32 (12%)	14 (5%)	18 (7%)	--	--

### GOAL III TALLIES

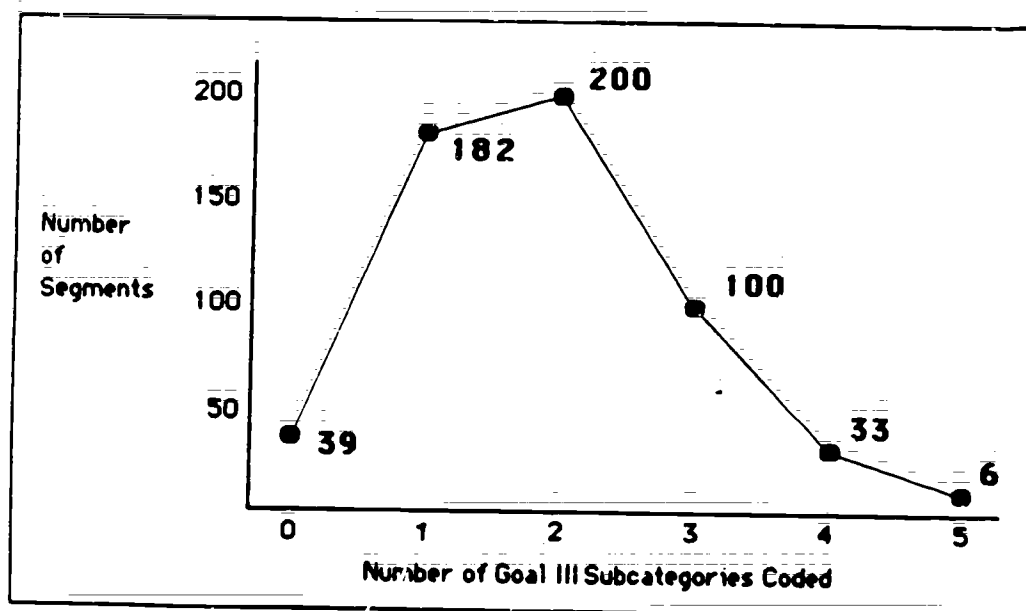
In addition to the 543 segments codable against the first two goals, 17 bumpers carry mathematical content independent of their surrounding segments. Thus the base for Goal III analysis of the shows consists of 560 segments. The bar graph below shows the distribution of Goal III coding across the seven mathematical categories listed under Goal III. Note that many segments involve more than one area of mathematics and hence the percentages add to more than one hundred.



The matrix below tallies the number of segments coded that involve each sub-category of the seven mathematical areas.

Objectives	Subsection						
	1	2	3	4	5	6	7
A. Numbers/Counting	13	37	56	29	43	10	—
B. Arithmetic	162	69	32	28	29	—	—
C. Measurement	24	53	22	8	—	—	—
D. Functions	78	66	0	0	—	—	—
E. Combinatorics	9	0	2	—	—	—	—
F. Statistics/Probability	13	5	3	40	12	29	—
G. Geometry	13	14	8	40	0	89	2

Mathematical Diversity. Many segments incorporate more than one area of mathematics. The graph below shows the mathematical diversity of the 560 segments coded for Goal III by reporting the number of multiply-coded segments according to multiplicities. For example, 100 segments involve mathematics of exactly three sub-categories. Of the total, 339 (61%) involve two or more areas of mathematics.



## TALLIES OF FURTHER ANALYSIS

The table below shows the number of the 543 segments that involve the several pedagogical techniques discussed above.

Calculator use	24	4%
Computer use	37	7%
Invitation for direct viewer participation	97	18%
Unanswered questions	58	11%
Errors exhibited	179	33%

## SUMMARY

This report has presented a complete analysis of the mathematical and pedagogical content of the 75 shows in SQUARE ONE TV's first season, relating that content to the three goals of the series: to promote positive attitudes toward, and enthusiasm for, mathematics; to encourage the use and application of problem-solving processes; and to present sound mathematical content in an interesting, accessible, and meaningful manner.

Goal I. Almost 85% of the segments of the series address Goal I by explicitly showing mathematics to be a powerful and widely applicable tool or an aesthetically pleasing subject, or by showing that it can be understood, used, and even invented, by non-specialists.

Goal II. Of the 272 problem-solving segments that appear in the course of the 75 shows, virtually all address Goal II by explicitly illustrating the formulation or treatment of problems.

Moreover, some 77% model the use of at least one problem-solving heuristic, and almost one-half incorporate the important stage of problem follow-up (by looking for alternative solutions or extending to related problems, for example).

Goal III. More than 93% of the segments address Goal III by incorporating one or more of the series' seven mathematical areas (numbers and counting; arithmetic of rational numbers; measurement; numerical functions and relations; combinatorics; statistics and probability; and geometry). Almost two-thirds involve more than one mathematical topic, thus reinforcing the interrelations among mathematical concepts.

**APPENDIX A**

**SQUARE ONE TV**

**COMPLETE STATEMENT OF GOALS**

## SQUARE ONE TELEVISION--ELABORATION of GOALS

- GOAL I. To promote positive attitudes toward, and enthusiasm for, mathematics by showing:
- A. Mathematics is a powerful and widely applicable tool useful to solve problems, to illustrate concepts, and to increase efficiency.
  - B. Mathematics is beautiful and aesthetically pleasing.
  - C. Mathematics can be understood, used, and even invented, by non-specialists.
- GOAL II. To encourage the use and application of problem-solving processes by modeling:
- A. Problem Formulation
    1. Recognize and state a problem.
    2. Assess the value of solving a problem.
    3. Assess the possibility of solving a problem.
  - B. Problem Treatment
    1. Recall information.
    2. Estimate or approximate.
    3. Measure, gather data or check resources.
    4. Calculate or manipulate (mentally or physically).
    5. Consider probabilities.
    6. Use trial-and-error or guess-and-check.
  - C. Problem-Solving Heuristics
    1. Represent problem: scale model, drawing, map; picture; diagram, gadget; table, chart; graph; use object, act out.
    2. Transform problem: reword, clarify; simplify; find subgoals, subproblems, work backwards.
    3. Look for: patterns; missing information; distinctions in kind of information (pertinent or extraneous).
    4. Reapproach problem: change point of view, reevaluate assumptions; generate new hypotheses.

D. Problem Follow-up

1. Discuss reasonableness of results and precision of results.
2. Look for alternative solutions.
3. Look for alternative ways to solve.
4. Look for, or extend to, related problems.

GOAL III. To present sound mathematical content in an interesting, accessible, and meaningful manner by exploring:

A. Numbers and Counting

1. Whole numbers.
2. Numeration: role and meaning of digits in whole numbers (place value); Roman numerals; palindromes; other bases.
3. Rational numbers: interpretations of fractions as numbers, ratios, parts of a whole or of a set.
4. Decimal notation: role and meaning of digits in decimal numeration.
5. Percents: uses; link to decimals and fractions.
6. Negative numbers: uses; relation to subtraction.

B. Arithmetic of Rational Numbers

1. Basic operations: addition, subtraction, division, multiplication, exponentiation; when and how to use operations.
2. Structure: primes, factors, and multiples.
3. Number theory: modular arithmetic (including parity); Diophantine equations; Fibonacci sequence; Pascal's triangle.
4. Approximation: rounding; bounds; approximate calculation; interpolation and extrapolation; estimation.
5. Ratios: use of ratios, rates, and proportions; relation to division; golden section.



### C. Measurement

1. Units: systems (English, metric, non-standard); importance of standard units.
2. Spatial: length, area, volume, perimeter, and surface area.
3. Approximate nature: exact versus approximate, i.e., counting versus measuring; calculation with approximations; margin of error; propagation of error; estimation.
4. Additivity.

### D. Numerical Functions and Relations

1. Relations: order, inequalities, subset relations, additivity, infinite sets.
2. Functions: linear, quadratic, exponential; rules, patterns.
3. Equations: solution techniques (e.g., manipulation, guess-and-test); missing addend and factor; relation to construction of numbers.
4. Formulas: interpretation and evaluation; algebra as generalized arithmetic.

### E. Combinatorics and Counting Techniques

1. Multiplication principle and decomposition.
2. Pigeonhole principle.
3. Systematic enumeration of cases.

### F. Statistics and Probability

1. Basic quantification: counting; representation by rational numbers.
2. Derived measures: average, median, range.
3. Concepts: independence, correlation; "Law of Averages."
4. Prediction: relation to probability.
5. Data processing: collection and analysis.
6. Data presentation: graphs, charts, tables; construction and interpretation.

## G. Geometry

1. Dimensionality: one, two, three, and four dimensions.
2. Rigid transformations: transformations in two and three dimensions; rotations, reflections, and translations; symmetry.
3. Tessellations: covering the plane and bounded regions; kaleidoscopes; role of symmetry; other surfaces.
4. Maps and models in scale: application of ratios.
5. Perspective: rudiments of drawing in perspective; representation of three-dimensional objects in two dimensions.
6. Geometrical objects: recognition; relations among; constructions; patterns.
7. Topological mappings and properties: invariants.

APPENDIX B

SQUARE ONE TV

SEASON ONE RUNDOWNS

## Reading the Show Rundowns

The following show rundowns are organized by weeks, 1-15. The entries include descriptive data from the production data base.

### Line one:

Show number--the first digit signifies season one;  
Item number--the serial number of the segment in its show;  
Title;  
Production number--unique to each segment;  
Length--the running time of the segment.

### Line two:

Brief description--included for all but bumpers<sup>1</sup>;  
Item format--a three-letter code:

ANI	animation
BUM	bumper
GAM	game show
LAF	live-action film
NET	Mathret episode
PAR	continuation of a multi-part segment
SON	song
STU	studio sketch

### Last line:

Goal I classification;  
Goal II classification;  
Goal III classification;  
Problem-solving notation--R stands for "yes".

Example: On the first page of the rundowns for week one, we have, for show number 101, item 2, a song (SON) entitled Infinity, listed with its brief description, Goal I coding of "B C", and its Goal III coding of "D1 B1". It does not admit Goal II coding because it does not qualify as a problem-solving segment.

Note: "-0-" signifies either that a brief description is not necessary or that the segment does not address a particular goal. The goal content of continuations of multi-part segments (PAR) is ordinarily coded under the first part. Hence the goal classifications for segments marked "PAR" are "-0-".

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1: A bumper is a segue between segments of a show, such as a Newsroom Interrupt.

101- 1 SHOW OPEN -0-	15950	:46 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
101- 2 INFINITY (SONG) The song introduces the idea that there is no largest number. The graphics suggest several infinite collections to support the song.	10230	3:18 SON
GOAL 1:B C	GOAL 2:-0-	GOAL 3:D1 B1 (X)
101- 3 (INFINITY) NEWSROOM INTERRUPT -0-	16620	:10 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
101- 4 MATHMAN: MULTIPLES OF 3 Mathman plays a video game in which he must eat only multiples of 3.	15630	1:21 ANI
GOAL 1:C	GOAL 2:-0-	GOAL 3:B2 (X)
101- 5 PHONER: THE ANSWER IS THREE Arthur has a one-sided telephone conversation in which he chooses a number and performs a series of operations that always give him the answer of 3.	15970	2:23 STU
GOAL 1:A C	GOAL 2:-0-	GOAL 3:D2 B1 (X)
101- 6 INFINITY REPRISE: 1 -0-	10231	:02 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
101- 7 BATTLE OF THE BULGE CATERERS: SANDWICHES The Battle of the Bulge Catering Company must make more than 11 different sandwich combinations from two meats and three cheeses. The problem introduces the multiplication principle from combinatorics	11460	4:41 STU
GOAL 1:A C	GOAL 2:A1 A2 A3 B6 D1 C1e C2c C4a	GOAL 3:E1 D2 (R)

SQUARE ONE TV: WEEK 1

101- 8	OOPS! SUBTRACTION 300 - 163	16610	1:27
	A confused engineer makes a 'borrowing' mistake in a subtraction problem and causes a stock-footage plane crash.		STU
	GOAL 1:A	GOAL 2:A1 A2 B4	GOAL 3:A2 B1 (R)
101- 9	(INFINITY: 2) NEWSROOM INTERRUPT -0-	16621	:02
	GOAL 1:-0-	GOAL 2:-0-	BUM
		GOAL 3:-0-	(-)
101-10	(PERFECT SQUARES INTRO) LOGO -0-	16570	:03
	GOAL 1:-0-	GOAL 2:-0-	BUM
		GOAL 3:-0-	(-)
101-11	PERFECT SQUARES	13140	3:25
	A blues band sings about square numbers and graphically suggests their connection to geometry.		SON
	GOAL 1:A C	GOAL 2:-0-	GOAL 3:B2 B1 (X)
101-12	BUREAU OF MISSING NUMBERS: 14	15930	1:59
	Terry Ryan, an FBI type, takes information pertaining to the number 14 and inputs this information into her computer. These characteristics include factors, whether or not it is prime or square, etc.		STU
	GOAL 1:A	GOAL 2:A1 B3 B4 C2c	GOAL 3:B2 B1 (R)
101-13	INFINITY REPRISE:2 -0-	10232	:02
	GOAL 1:-0-	GOAL 2:-0-	BUM
		GOAL 3:-0-	(-)
101-14	MATHNET:PROBLEM OF THE MISSING MONKEY-1	11031	8:05
	The Mathnetters investigate a series of burglaries allegedly committed by a monkey that escaped from the zoo.		NET
	GOAL 1:C	GOAL 2:A1 A2 B2 B3 C4a C4b	GOAL 3:C3 D1 (R)

101-15 INFINITY REPRIS:3  
-0- 10233 :03  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

102- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

102- 2 STAR TRUCK BLANDSTAND 13130 7:34  
Space travellers find themselves contestants on a  
game show, rating songs. The song with the highest  
average score wins. The characters learn that an  
average cn't be higher than the highest score.  
GOAL 1:A C GOAL 2:A1 A2 B4 D1 D2 GOAL 3:F5 F6 F2 (R)  
C1c C2a B1 B4

102- 3 (BLANDSTAND) NEWSROOM INTERRUPT:18  
-0- 13131 :12  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

102- 4 RAPPIN' JUDGE 14740 2:40  
A judge raps his decision that a girl on a skateboard  
could not have committed the crime because she could  
not have travelled 8 miles in 2 hours if she were  
only going 3 miles per hour.  
GOAL 1:A C GOAL 2:A1 B1 B3 B4 D1 GOAL 3:B5 C2 B1 (R)  
C1a

102- 5 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

102- 6 BLACKSTONE: DIME, PENNY, NICKEL 15537 2:04  
Blackstone uses a fundamental property of even and  
odd numbers to correctly identify which hand holds  
the dime and which holds the penny. His follow-up  
trick depends on psychology--not mathematics.  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 B1 (X)

102- 7	(NINES INTRO) LOGO	17530	:08
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
102- 8	NINES	15870	2:34
	The cast sings a country music tune expressing the idea that the sum of the digits of any multiple of 9 always add up to 9 or a multiple of 9.		SON
	GOAL 1:B C	GOAL 2:-0-	GOAL 3:B2 D2 B1 (X)
102- 9	WARNING 5 (UNDERSTAND KIND OF SOLUTIONS)	17585	:09
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
102-10	MAP, THE	14050	1:27
	An older boy and his little brother use a map scale to estimate distance and travel time.		LAF
	GOAL 1:A C	GOAL 2:A1 A3 B2 B3 B4 D1 C1a	GOAL 3:G4 C3 B1 (R)
102-11	MATHNET:PROBLEM OF THE MISSING MONKEY-2	11032	9:40
	In their continued search for a missing monkey, the Mathnetters come across information presented in a circle graph and use a map and compass to estimate the approximate location of the gorilla.		NET
	GOAL 1:A C	GOAL 2:A1 B1 B2 B3 B4 B5 C1a	GOAL 3:G4 C3 B1 (R) E1
103- 1	SHOW OPEN	15950	:46
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)



- 103- 2 SPADE PARADE: IN SEARCH OF YUCCA PUCK -1 15901 2:45  
 Spade Parade takes on the case of Vanessa Van Vandervan who has hired 3 consultants to tell her the route to the Yucca Puck. She doesn't know which one tells the truth, which lies, and which does both STU  
 GOAL 1:A C GOAL 2:A1 A2 A3 B1 B3 GOAL 3:E3 (R)  
 D2 C1a C1e C3b
- 103- 3 MATHMAN: DECIMALS LESS THAN .5 15690 1:19  
 Mathman plays a video game in which he must eat only decimal fractions less than .5. ANI  
 GOAL 1:C GOAL 2:-0- GOAL 3:A4 D1 (X)
- 103- 4 SPADE PARADE: IN SEARCH OF YUCCA PUCK -2 15902 2:32  
 Spade Parade solves the case by asking several questions to sort out a declared liar, a truth-teller, and a third who sometimes tells the truth and sometimes lies. PAR  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 103- 5 LESS THAN ZERO 14150 2:05  
 This song presents a diving, dance, skating, and hammer-throw competition to show arithmetic realizations of negative numbers. SON  
 GOAL 1:C GOAL 2:-0- GOAL 3:A6 D1 (X)
- 103- 6 (GAME SHOW) LEAD IN 17260 :08  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 103- 7 BUT WHO'S COUNTING: 1 12111 5:48  
 Contestants arrange five randomly chosen digits in an attempt to form the smallest possible 5 digit number. GAM  
 To play, they must apply some knowledge of place value and probability.  
 GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)

103- 8	DATA HEADACHE II	14312	1:32
	A cab driver uses a pie chart to organize his business expenses and rid himself of a data headache.		STU
	GOAL 1:A	GOAL 2:-0-	GOAL 3:F6 (X)
103- 9	VO: HOW MUCH LEFT	17293	:06
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
103-10	YOU CAN COUNT ON IT	16680	1:58
	This song presents various ways that math shows up in the world.		SON
	GOAL 1:A C	GOAL 2:-0-	GOAL 3:C1 (X)
103-11	WARNING 3 (REMAIN CALM)	17583	:12
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
103-12	MATHNET:PROBLEM OF THE MISSING MONKEY-3	11033	8:18
	The Mathnetters continue looking for the monkey, measuring the distance between footprints and using a map to figure distance, rate, and time.		NET
	GOAL 1:A C	GOAL 2:A1 B1 B2 B3 B4 C1a C4a	GOAL 3:G4 B5 (R)
104- 1	SHOW OPEN	15950	:46
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
104- 2	(TONY AND THE TOGAS INTRO) LOGO	17520	:05
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)

- 104- 3 TONY AND THE TOGAS 12100 6:25  
A Phoenician singer finds himself recording a song in Rome and learns about Roman numerals in the process.  
SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A2 (X)
- 104- 4 OOPS! RULER 16780 1:11  
A confused character causes a great accident when he fails to line up his ruler properly.  
STU  
GOAL 1:A GOAL 2:A1 A2 B3 D1 GOAL 3:C2 (R)
- 104- 5 WRONG BUILDING 11310 4:30  
Frank Loyd Wrong, the architect, ignores the importance of proper scaling in planning and constructing a building.  
STU  
GOAL 1:A C GOAL 2:A1 B3 B4 D1 D4 GOAL 3:G4 C2 (R)  
C1a C2a C2b C3b  
C4a
- 104- 6 LOGO 5 GENERIC (LUISA) 17370 :07  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 104- 7 SHOEMAKER & ELVES 11850 3:39  
A shoemaker wants to sue his elves for failing to interpret the scale of a plan correctly. Instead of a 1:2 ratio, they use a 2:1 ratio.  
STU  
GOAL 1:A C GOAL 2:A1 A2 A3 B4 D1 GOAL 3:G4 B5 A3 (R)  
C1a C1e C2a C4a
- 104- 8 COMIC: SHRUNKEN TOOTHBRUSH 13510 2:29  
A comic mistakenly believes that the entire scale of the world has been altered when he unknowingly sticks his head into his daughter's dollhouse.  
STU  
GOAL 1:-0- GOAL 2:A1 A3 D1 GOAL 3:G4 B5 (R)

- 104- 9 MATHNET:PROBLEM OF THE MISSING MONKEY-4 11034 8:17  
 The Mathnetter's recognize that, sometimes, one must  
 look at a problem from a different point of view --  
 and so hypothesize that they are searching for a  
 gorilla and a man in a monkey suit. NET
- GOAL 1:C GOAL 2:A1 B1 B3 C1a C3a GOAL 3:-0- (R)  
 C4a C4b
- 105- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 105- 2 PRIME TIME PROGRAMMING MEETING 12040 3:58  
 A group of television executives meet to discuss next  
 season's programs - whose titles must contain only  
 prime numbers. STU
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 105- 3 PERCENTS 15380 2:25  
 This glitzy song expresses the relations among  
 percents, fractions, and decimals. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:A5 A3 A4 (X)
- 105- 4 SODA SHOPPE 16100 :50  
 Two customers use an easy way to compute a ten  
 percent tip, which they then round up to the nearest  
 ten cents. LAF
- GOAL 1:A C GOAL 2:A1 A2 B2 B4 GOAL 3:A5 A4 B4 (R)
- 105- 5 VO: STOP COMPLAINING (ANS.) 17314 :05  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 105- 6 TROUT ON YOUR HEAD 14010 1:10  
 This commercial uses a horizontal bar graph to  
 illustrate that most quacks sampled suggest putting a  
 trout on one's head as a headache remedy. STU
- GOAL 1:A C GOAL 2:A1 B3 D1 C1d GOAL 3:F6 A5 (R)

105- 7 BUT WHO'S COUNTING: 2

12112

6:54  
GAM

Contestants arrange six randomly chosen digits in an attempt to form two 3-digit numbers with the largest possible sum. To play, they must apply some knowledge of place value and probability.

GOAL 1:A C

GOAL 2:A1 B4 B5 D1 D2  
C1b C2c

GOAL 3:A2 D1 F4 (R)

105- 8 (VERY NICE) NEWSROOM INTERRUPT:26  
-0-

14551

:19  
BUM

GOAL 1:-0-

GOAL 2:-0-

GOAL 3:-0- (-)

105- 9 MATHNET:PROBLEM OF THE MISSING MONKEY-5

11035

10:01  
NET

George climbs atop the Hollywood sign, and the Mathnetters successfully solve the problem of the missing monkey -- putting both the gorilla and the thief behind bars.

GOAL 1:-0-

GOAL 2:A1 B1 D1 C4a

GOAL 3:-0- (R)

- 106- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 106- 2 ROBIN HOOD 11640 6:08  
Robin Hood competes in an archery contest that allows  
6 arrows to get the highest odd score. With a target  
containing only odd zones, Robin has his last arrow  
miss the target to ensure an odd score. STU  
GOAL 1:A C GOAL 2:A1 A2 A3 B4 D1 GOAL 3:B3 B1 (R)  
C1e C2a C2c C4a
- 106- 3 CABOT & MARSHMALLOW: HEY CABOT 14090 1:45  
Cabot offers to pay Marshmallow nothing for 5 days to  
repay a 5 dollar bet before Marshmallow recognizes  
that zero times any number is zero. STU  
GOAL 1:-0- GOAL 2:A1 B3 B4 D1 D2 GOAL 3:B1 (R)  
C2a
- 106- 4 PERSON ON THE STREET: DODECAHEDRON 13002 1:15  
The Person on the Street Interviewer asks a variety  
of people what a dodecahedron is. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 106- 5 DANCE OF THE GEO SHAPES: DODECAHEDRON 13606 :20  
Computer graphics illustrate and highlight a  
dodecahedron as it rotates in space. ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)
- 106- 6 (BUT WHO'S COUNTING T.S.) LOGO 17540 :07  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 106- 7 BUT WHO'S COUNTING - TEST SHOW 10150 5:17  
 Contestants arrange five randomly chosen digits in an attempt to form the largest possible 5 digit number. To play, they must apply some knowledge of place value and probability. GAM
- GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 106- 8 DISCLAIMER: ANGLES 10911 :08  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (-)
- 106- 9 ANGLE DANCE 10180 2:23  
 The rock group Plane Geometry sings a song about angles and uses body movement to illustrate angles, as well. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (X)
- 106-10 PLAYING THE ANGLE 15330 3:00  
 Nancy Lieberman, the first woman to play professional basketball, talks about and demonstrates the mathematics involved in basketball. She cites angles and parabolas, in particular. LAF
- GOAL 1:A C GOAL 2:A1 A2 A3 B2 B5 GOAL 3:G6 F4 C2 (R)  
 A3 A5
- 106-11 PONG GAME 15180 :19  
 This animation illustrates billiard geometry and shows a ball rebounding from wall to wall before finally exiting the one opening. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G2 G6 (X)
- 106-12 MATHNET-CASE OF THE MISSING BASEBALL-1 10540 6:27  
 The Mathnetters investigate a missing baseball by determining the angle at which it would have rebounded off a billboard. NET
- GOAL 1:A GOAL 2:A1 B1 B3 B4 C1a GOAL 3:G6 G4 (R)  
 C2c

107- 1	SHOW OPEN -0-	15950	:46 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)
107- 2	IDENTITY CRISIS The number Zero visits a psychiatrist who cures his identity crisis by stressing the role zero plays in place value and multiplication.	10090	4:38 STU
	GOAL 1:C      GOAL 2:-0-	GOAL 3:A2 A4 B1 D1	(X)
107- 3	(LEMONADE STAND INTRO) LOGO -0-	17460	:07 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)
107- 4	LEMONADE STAND IN THE DESERT Shari Belafonte Harper runs a lemonade stand that sells lemonade for 26¢ of one dollar. She and Arthur discuss percent and decimal relations - especially as they pertain to money.	14340	2:46 STU
	GOAL 1:A C      GOAL 2:A1 B4 C2a	GOAL 3:A5 D1 A3	(R)
107- 5	EIGHT PERCENT OF MY LOVE Cris uses percentages to sing about the various ways his love is divided. As Cris mentions a percentage, a drummer displays the corresponding wedge of a pie chart.	11480	2:47 SON
	GOAL 1:A C      GOAL 2:-0-	GOAL 3:A5 F6	(X)
107- 6	MATINEE MOVIE PROMO Shirly Schlemmer asks her viewing audience to tune into "Cartabianca", today's Matinee Movie.	12631	:21 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)
107- 7	VO: DON'T DESPAIR -0-	17325	:06 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)



- 107- 8 HARRY'S HAMBURGER HAVEN 14240 2:27  
 As the characters attempt to shoot a commercial for  
 Harry's Hamburger Haven, they note the equivalence of  
 decimal, fraction, and percent. STU  
 GOAL 1:C GOAL 2:-0- GOAL 3:A4 A5 A3 (X)
- 107- 9 MATINEE MOVIE: CARTABLANCA 12630 6:20  
 As three characters attempt to leave Cartablanca by  
 plane, an Inspector rounds up their weights to make  
 sure that they do not exceed the maximum load. STU  
 GOAL 1:A GOAL 2:A1 A2 B2 B4 D1 GOAL 3:B4 B1 (R)
- 107-10 YES, GENERAL, SIR 12960 1:52  
 A private demonstrates the six different ways one can  
 order the three words 'yes', 'general', and 'sir.'  
 She also demonstrates this visually by arranging 3  
 fruits - apple, pear, and orange. STU  
 GOAL 1:C GOAL 2:A1 B4 D1 D4 C1e GOAL 3:E1 (R)
- 107-11 MATHNET-CASE OF THE MISSING BASEBALL-2 10630 5:23  
 The Mathnetters gather facts and use logical  
 reasoning to determine the whereabouts of a missing  
 house. NET  
 GOAL 1:A GOAL 2:A1 B1 B3 C1a C1e GOAL 3:G4 (R)  
 C4a C4b
- 108- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 108- 2 SUDS: POPCORN 10080 3:38  
 Arthur learns that doubling the length, width, and  
 depth of a box increases its volume eight times. STU  
 GOAL 1:A C GOAL 2:A1 B1 B4 D1 D3 GOAL 3:C2 C1 D2 (R)  
 C1e C2a C4a

- 108- 3 OOPS! DECIMALS 16770 1:38  
 A confused doctor forgets to line up the decimals in a 3-digit addition problem and causes a stock-footage disaster.  
 GOAL 1:A GOAL 2:A1 A2 B4 D1 GOAL 3:A4 B1 (R) STU
- 108- 4 LOGO 6 GENERIC (LUISA) 17380 :06  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 108- 5 CABOT & MARSHMALLOW: WOODEN CANDY BARS 14820 2:20  
 Cabot uses 3 differently shaped rectangular wooden blocks to illustrate that objects with different dimensions can still have the same volume.  
 GOAL 1:A C GOAL 2:A1 A2 B2 B3 B4 GOAL 3:C2 C1 (R) STU  
 C1c C2a C4a
- 108- 6 COUNTRY AND WESTERN MUSIC PITCH 15450 1:56  
 Two country and western singers recount the titles of their greatest hits, all of which make mention of relations involving fractions.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 D1 (X) STU
- 108- 7 TESSELLATIONS 15810 3:15  
 A boppy beach tune illustrates the concept of tessellation as surfers cover their boards and the beach with repeating geometric shapes.  
 GOAL 1:B GOAL 2:-0- GOAL 3:G3 G6 (X) SON
- 108- 8 BUT WHO'S MULTIPLYING: 12 16941 5:33  
 Two contestants attempt to cover three numbers in a row by selecting factors of these numbers from the Factor Board and calling out the resultant product.  
 GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R) GAM  
 C2c F4

- 108- 9 MATHMAN: FACTORS OF 18 15570 1:12  
Mathman plays a video game in which he must eat all ANI  
numbers that are factors of 18.  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 108-10 GROANING WALL II 11872 1:09  
The cast tells each other riddles, all of which have STU  
a mathematical theme.  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 108-11 MATHNET-CASE OF THE MISSING BASEBALL-3 10670 6:17  
The Mathnetters continue their search for the missing NET  
house, using a database to access information about a  
pair of glasses that have turned up on the property.  
GOAL 1:A GOAL 2:A1 B1 B3 C1a C2c GOAL 3:F4 A9 (R)  
C3a
- 109- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 109- 2 DISCLAIMER: ODD NUMBERS 17600 :08  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B2 (-)
- 109- 3 PHONEYMOONEPS: HOLE IN THE WALL 13930 7:00  
Alph and Throckmorton must estimate how many bricks STU  
they need to repair a hole in the wall caused by  
Alph's bowling ball. They draw a diagram to figure  
out the area of this irregular shape.  
GOAL 1:A C GOAL 2:A1 A2 A3 B4 D1 GOAL 3:C2 C1 G4 (R)  
C1b C4a B1
- 109- 4 NEWSROOM INTERRUPT:24 (AREA IRREG.SHAPE 16920 :11  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 109- 5 NAVIGATOR 15320 3:47  
A female navigator in the New York harbor talks about LAF  
how she uses maps to chart her course.  
GOAL 1:A GOAL 2:A1 A2 B3 B4 C1a GOAL 3:C2 G4 G6 (R)
- 109- 6 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 109- 7 BLACKSTONE: HEADS OR TAILS 15535 2:54  
After a spectator has turned over pairs of coins from STU  
a pile of 10 dimes, Blackstone uses the principle of  
parity to correctly determine whether a covered coin  
is heads or tails.  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 (X)
- 109- 8 X...IT'S THE SIGN OF THE TIMES 13580 3:33  
The cast gives a Hispanic flavor to this song about SON  
the multiplication symbol.  
GOAL 1:A C GOAL 2:-0- GOAL 3:B1 (X)
- 109- 9 MATHMAN: ODD NUMBERS 15580 1:12  
Mathman plays a video game in which he must eat only ANI  
odd numbers.  
GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)
- 109-10 MATHNET-CASE OF THE MISSING BASEBALL-4 10710 7:42  
The Mathnetters determine the worth of stolen gold NET  
bars as they piece together a picture of the man who  
may have stolen the house. They also use a map to  
determine the range a helicopter could fly.  
GOAL 1:A B GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B4 G4 C3 (R)  
B5 C1a C2c C3a B5
- 110- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 110- 2 SUPERGUY STANDARD OPEN  
-0- 11420 :37  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 110- 3 SUPERGUY: NEW CAPE CAPER - 1 11431 3:10  
Super Guy wonders how many outfits he can make from 3  
belts and 3 capes. Using combinatorics, he develops a  
systematic way of counting and combining results. STU  
GOAL 1:A C GOAL 2:A1 A3 B4 D3 C1e GOAL 3:E1 D2 B1 (R)  
C3a C3b
- 110- 4 CALVIN KLEIN BOY 16140 1:23  
Dweezil Zappa discovers the meaning of combinatorics  
when he determines how many possible outfits he can  
make from a certain number of pants, shirts, and  
sweaters. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:E1 (X)
- 110- 5 SUPERGUY: NEW CAPE CAPER - 2 11432 3:40  
Using combinatorics, Superguy lays out all the  
possible combinations for 3 belts and 3 capes. He  
gets 9 outfits and recognizes that he could have  
multiplied the numbers of capes and belts instead. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 110- 6 VO: HOW MUCH LEFT 17295 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 110- 7 MISTAKES 10200 2:18  
This song uses a vaudeville setting to convey the  
message that everyone makes mistakes and everyone  
learns from mistakes. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:-0- (X)

SQUARE ONE TV: WEEK 2

- 110- 8 BUILDING GO BOOM 12130 2:07  
A con-artist attempts to sell a 12 story building LAF  
(with 10 ft. between stories) to a country bumpkin  
before the building's scheduled demolition.
- GOAL 1:C GOAL 2:-0- GOAL 3:B1 C1 (X)
- 110- 9 (ICE CREAM) LOGO 15630 :07  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 110-10 ICE CREAM STORE: CALORIES 10130 3:10  
A dieting woman enters an ice cream store run by a STU  
Valley Boy who uses a bar chart and percents to  
compare the calories of the various frozen treats.
- GOAL 1:A C GOAL 2:A1 B3 D1 C1d GOAL 3:A5 A3 D1 (R)  
F6
- 110-11 (ME AND MY SHADOW INTRO) LOGO 17470 :09  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 110-12 ME AND MY SHADOW 13660 2:36  
Debbie Allen discusses dimensionality by comparing STU  
her own 3-dimensionality with the 2-dimensionality of  
her shadow.
- GOAL 1:C GOAL 2:-0- GOAL 3:G1 C2 (X)
- 110-13 MATHNET-CASE OF THE MISSING BASEBALL-5 10760 6:41  
The Mathnetters use a floorplan to successfully NET  
locate the missing baseball.
- GOAL 1:-0- GOAL 2:A1 B1 C1a C3b GOAL 3:G4 G6 (R)

- 111- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 111- 2 NEWSROOM INTERRUPT: 7 (PROBAB. COIN TOSS  
-0- 16910 :21  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:F4 (-)
- 111- 3 CABOT & MARSHMALLOW: PROBABILITY - 1 15471 1:41  
Cabot and Marshmallow discuss the meaning of a STU  
probability of one as Marshmallow creates a situation  
where any outcome results in a win for Cabot.  
GOAL 1:C GOAL 2:A1 B1 B5 D1 C2a GOAL 3:F1 D1 (R)
- 111- 4 ON THE MIDWAY 14320 1:42  
Freddy Kohler exposes the unequal probability of STU  
winning a game in which 3/4 of the spinner is one  
color and 1/4 of the spinner is another color.  
GOAL 1:A C GOAL 2:A1 B1 D1 C1e GOAL 3:F4 F1 A3 (R)
- 111- 5 (C & M: PROBABILITY INTRO) WARNING 17610 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 111- 6 CABOT & MARSHMALLOW: PROBABILITY - 2 15472 2:19  
Cabot and Marshmallow discuss the meaning of a STU  
probability of zero after Cabot tricks Marshmallow by  
playing the shell and the pea game -- without the  
pea.  
GOAL 1:A C GOAL 2:A1 A3 B5 D1 C1e GOAL 3:F1 (R)
- 111- 7 GHOST OF A CHANCE 11950 4:20  
At a haunted house, a pizza delivery boy finds SON  
himself in several threatening situations -- each of  
which has a different probability of escape.  
GOAL 1:A C GOAL 2:A1 A2 B5 B6 GOAL 3:F1 F3 (R)

111- 8	LOGO 13 GENERIC (BEV)	17450	:08
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
111- 9	HANDSHAKE CONTEST	12551	4:27
	The Wide Wide World of Sports You Never Heard Of covers a Handshake Competition where the newscasters learn that the number of handshakes will always be a triangular number.		STU
	GOAL 1:A C	GOAL 2:A1 A3 B4 D3 C1b C2c C3a	GOAL 3:B2 D2 D1 (R)
111-10	(BLACKSTONE) LEAD-IN & TAG	15540	:09
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
111-11	BLACKSTONE: MENTAL SPELLER	13442	2:02
	Blackstone asks the cast to choose an object on the table and uses the number of letters in its name as a clue to identifying it.		STU
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:D2 (X)
111-12	MATHNET:PROBLEM OF THE PASSING PARADE-1	11011	9:51
	In anticipation of a rock star's visit, the Mathnetters calculate how much time a parade will take, estimate crowd size, and approximate the number of officers needed for crowd control.		NET
	GOAL 1:A	GOAL 2:A1 A2 B2 B3 B4 B6 D1 C1a C2c	GOAL 3:B4 B1 B5 G4 (R)
112- 1	SHOW OPEN	15950	:46
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
112- 2	(PAPER RACE INTRO) LOGO	17480	:03
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)



- 112- 3 PAPER RACE 12600 5:38  
 Ned Flimsy visits his law professor who has him round  
 up the costs of his books to estimate whether he has  
 enough money. STU  
 GOAL 1:A C GOAL 2:A1 B2 B3 B4 D1 GOAL 3:B4 B1 A4 (R)  
 C1b C2b C2c
- 112- 4 BURGER PATTERN 12140 3:16  
 The Fat Boys use hamburgers to illustrate a  
 triangular number pattern. SON  
 GOAL 1:A GOAL 2:A1 B4 D1 C1b C3a GOAL 3:D2 D1 B1 (R)
- 112- 5 BUT WHO'S COUNTING: 6 12116 5:48  
 Contestants arrange 5 randomly chosen digits to  
 create a 3 digit plus 2 digit addition problem. The  
 largest sum wins. Contestants must apply some  
 knowledge of place value and probability to play. GAM  
 GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 112- 6 (PALINDROME INTRO) LOGO 17620 :12  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 112- 7 IT'S A PALINDROME 14110 2:53  
 A tango dance serves as the backdrop for a song about  
 the definition and generation of palindromes -- SON  
 numbers that read the same backwards and forwards.  
 GOAL 1:C GOAL 2:-0- GOAL 3:A2 (X)
- 112- 8 MATHNET:PROBLEM OF THE PASSING PARADE-2 11012 9:07  
 In their attempt to find a kidnapped rock star, the  
 Mathnetters tip a bottle with liquid in it to  
 recreate a mountain's angle of incline. They also  
 use musical beats to keep track of time. NET  
 GOAL 1:A C GOAL 2:A1 B1 B2 B3 B6 GOAL 3:C3 G6 G4 (R)  
 C1e C2c

- 113- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 113- 2 GROANING WALL I 11871 1:15  
The cast tells each other riddles -- all of which  
have a mathematical theme. STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 113- 3 SAMURAI MATHEMATICIAN 14490 3:11  
A samurai warrior breaks similar sized boards into  
different numbers of equal-sized pieces to prove that  
the more fractional pieces you divide an object into,  
the smaller those pieces will be. STU  
GOAL 1:C GOAL 2:A1 B4 D4 C1e C2a GOAL 3:D1 A3 (R)  
C2c C3a
- 113- 4 DIET LITE WET 14230 3:22  
As the characters attempt to shoot a commercial for  
Diet Lite Wet, they note the equivalence of fraction,  
decimal, and percent. STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:A3 A5 A4 (X)
- 113- 5 MATHMAN: EQUIVALENT FRACTIONS (1/3) 15650 1:24  
Mathman plays a video game in which he must eat only  
fractions equivalent to 1/3. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:A3 (X)
- 113- 6 ACTION AT THE FRACTION BAR 13250 2:24  
This music video takes place at the futuristic  
Fraction Bar and uses vocabulary words associated  
with fractions. It also mentions the relation  
between fractions, decimals, and percents. SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 A4 A5 (X)
- 113- 7 (FRACTIONAL BASEBALL) LEAD IN -0- 17490 :05  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 113- 8 GOOD SPORTS: FRACTIONAL BASEBALL 10020 3:45  
 Good Sports visits a Fractional Baseball game which  
 is played much like regular baseball - except that a  
 player receives  $1/4$  each time he gets on base. One  
 adds the fractions to compute the score.  
 GOAL 1:C GOAL 2:-0- GOAL 3:A3 D1 B1 (X)  
 STU
- 113- 9 VO: STOP COMPLAINING 17312 :07  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 113-10 OOPS! DIVISION 6 INTO 4212 16750 1:50  
 A confused scientist fails to acknowledge place value  
 and makes a long division mistake that causes a  
 stock-footage disaster.  
 GOAL 1:A GOAL 2:A1 A2 B4 D1 GOAL 3:A2 B1 (R)  
 STU
- 113-11 MATHNET:PROBLEM OF THE PASSING PARADE-3 11013 10:06  
 As they gather clues to the kidnapping case, the  
 Mathnetters attempt to decode a message, use a car  
 registration database, and measure the width and  
 tread of a car tire.  
 GOAL 1:A C GOAL 2:A1 A2 B1 B3 C1b GOAL 3:C2 (R)  
 C2c C3a C4b
- 114- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 114- 2 (C & M: WHAT IS A NAME) LOGO 17500 :05  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 114- 3 CABOT & MARSHMALLOW: WHAT IS A NAME 14170 3:33  
 Cabot and Marshmallow carry on a 'Who's On First' conversation and combine logic with rates to calculate how long it will take Marshmallow's blind date to arrive. STU
- GOAL 1:A C GOAL 2:A1 A2 B1 B4 D1 GOAL 3:B4 B5 B1 (R)  
 C2c C3c
- 114- 4 (WHITHER WEATHER) NEWSROOM INTERRUPT:16 13121 :08  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 114- 5 WHITHER WEATHER 13120 4:27  
 A television meteorologist measures the snowfall in 6 different areas before calculating an average snowfall. STU
- GOAL 1:A C GOAL 2:A1 B3 B4 D1 C1d GOAL 3:F2 B1 D1 (R)  
 C1e C2a
- 114- 6 WARNING 1 (ASK A FRIEND) 17581 :10  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 114- 7 SQUARE SONG 13620 2:32  
 This song deals with the geometrical properties of squares. Computer graphics aid greatly in illustrating the geometry of a square. SON
- GOAL 1:A B C GOAL 2:-0- GOAL 3:G6 (X)
- 114- 8 STATION PROMO (LARRY) 14265 :04  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 114- 9 PERSON ON THE STREET: RHOMBUS 13003 1:27  
 The Person On the Street interviewer asks a variety of people what a rhombus is. LAF
- GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)

- 114-10 BLACKSTONE: THE IMAGINATION DICE 15530 3:05  
 Blackstone performs a number trick that works for any number less than 10: double it, add 2, multiply it by 5, subtract the original number, add the digits -- the answer will always be 10. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B3 B1 (X)
- 114-11 DANCE OF THE GEO SHAPES:CUBE 13601 :24  
 Computer graphics illustrate and highlight a cube as it rotates around itself. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)
- 114-12 IN SEARCH OF THE GIANT SQUID 13480 3:51  
 The navigator of a submarine fails to consider the concept of scale -- and mistakenly thinks that they are only centimeters away from a giant iceberg. STU
- GOAL 1:A C GOAL 2:A1 B3 B4 D1 D4 GOAL 3:G4 C1 G4 (R)  
 C1a
- 114-13 MATHNET:PROBLEM OF THE PASSING PARADE-4 11014 7:21  
 In trying to decode Stringbean's musical message, the Mathnetters recognize that each note of the message corresponds to a tone/number on a touch-tone phone. NET
- GOAL 1:A C GOAL 2:A1 A2 B1 B3 C4a GOAL 3:-0- (R)  
 C4b
- 115- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 115- 2 (DADDY KNOWS DIFFERENT) LEAD IN 17280 :05  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 115- 3 DADDY KNOWS DIFFERENT: STAINLESS FORKS 12990 5:06  
 Rusty gives his father the option of paying him a fixed sum or starting with a penny, doubling the previous day's amount for a month. The amount on the 30th day would be well over \$5 million.  
 GOAL 1:A C GOAL 2:A1 A2 B4 D1 D4 GOAL 3:B1 A1 D2 (R)  
 C1c C4a
- 115- 4 (PROBLEM SONG INTRO) LOGO 17510 :05  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 115- 5 PROBLEM SONG 10190 2:27  
 Arthur solves the problem of how many apples he and another character can peel in 3 hours by using addition, multiplication, and division. SON  
 GOAL 1:A C GOAL 2:A1 B4 C1c C2a GOAL 3:B5 A3 B1 (R)  
 C2c
- 115- 6 TESSELLATION ANIMATION:TILE 10740 1:12  
 This animation shows both hexagons tessellating alone and hexagons forming a tessellated pattern with a star shape. The final image shows the same tessellated pattern on a real-life tile mosaic. ANI  
 GOAL 1:A B GOAL 2:-0- GOAL 3:G3 G6 (X)
- 115- 7 BUT WHO'S COUNTING: 7 12117 6:41  
 Contestants arrange five randomly chosen digits to set up a 3 digit plus 2 digit addition problem. The largest sum wins. Contestants must apply some knowledge of place value and probability to play. GAM  
 GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 115- 8 DATA HEADACHE I 14311 1:10  
 A woman uses a bar chart to organize her monthly expenses and rid herself of a data headache. STU  
 GOAL 1:A GOAL 2:-0- GOAL 3:F6 (X)

115- 9 MATHNET:PROBLEM OF THE PASSING PARADE-5 11015 9:01  
 The Mathnetters successfully solve the problem and NET  
 rescue Steve Stringbean.

GOAL 1:A B GOAL 2:A1 B1 B3 C2c GOAL 3:D2 F4 (R)

- 116- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 116- 2 I LOVE LUPY: ELEPHANTS - 1 12701 3:59  
To spite Dizzy, Lupy decides to fill a room with  
elephants. She estimates the size of the room and the  
size of the elephants to figure out how many she  
would need. STU  
GOAL 1:A C GOAL 2:A1 B2 B3 B4 C1a GOAL 3:C3 C2 G4 (R)
- 116- 3 VOLUME & MEASUREMENT (CAT) 16240 1:41  
In measuring a cat, Larry and Reg see that the  
smaller the units of measure, the more accurate the  
measurement. And a 3-dimensional object requires  
different units of measure than a 2-dimensional one. ANI  
GOAL 1:A C GOAL 2:-0- GOAL 3:C2 G1 C3 (X)
- 116- 4 I LOVE LUPY: ELEPHANTS - 2 12702 3:58  
Lupy may have estimated the size of the elephants and  
the size of the room - but, she's neglected to  
measure the size of the door. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 116- 5 (COUNTIN OUT THE RHYTHM) WARNING 17790 :12  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 116- 6 COUNTIN' OUT THE RHYTHM 11670 2:58  
This song, staged in a very urban setting,  
illustrates that there are 4 beats to every musical  
measure. The song also stresses the idea of  
subdividing each measure into 8 and 16 beats as well. SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 116- 7 (MATHMAN FACTORS OF 12) LOGO 17800 :10  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)



- 116- 8 MATHMAN: FACTORS OF 12 15560 1:27  
Mathman plays a video game in which he must eat only  
numbers that are factors of 12. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 116- 9 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 116-10 BLACKSTONE: THE COIN PUZZLE 13448 3:58  
Blackstone asks a spectator to arrange 3 different  
coins in any order. He then gives 3 different  
commands - all planned so that a pre-determined coin  
ends up on the left. STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 (X)
- 116-11 MATHNET: TRIAL OF GEORGE FRANKLY-1 11021 8:35  
The Mathnetters use a computer to access George's  
bank records - in a futile attempt to prove that he  
did not deposit the money he had allegedly stolen. NET  
GOAL 1:-0- GOAL 2:A1 B3 GOAL 3:-0- (R)
- 117- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 117- 2 EB: PERIM. OF IRR. SHAPES 16330 :27  
The animations illustrates finding the perimeter of  
an irregular shape. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:C2 C1 (-)
- 117- 3 OOPS! PERIMETER 16790 1:31  
In calculating perimeter, a confused character only  
adds the lengths of two sides of a rectangle shape -  
and causes a terrible accident. STU  
GOAL 1:A GOAL 2:A1 A2 B4 D1 GOAL 3:C2 B1 (R)

- 117- 4 BANDANAS 11080 5:01  
 A cowboy family learns that rectangles with the same areas do not necessarily have the same perimeter. They also learn that a rectangle with the most economical perimeter is a square. STU  
 GOAL 1:A GOAL 2:A1 A3 B1 B4 D2 GOAL 3:C2 G6 (R)  
 Cla C3c C4a
- 117- 5 (BANDANAS) NEWSROOM INTERRUPT:8 11081 :11  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 117- 6 MATH MIMES 15230 2:37  
 Two talking mimes discover that rectangles with the same perimeter do not always have the same area. STU  
 GOAL 1:B C GOAL 2:-0- GOAL 3:C2 (X)
- 117- 7 (SUPERSPY) PAINTBOX LEAD IN 12151 :19  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 117- 8 NEIGHBORHOOD SUPERSPY 12150 3:50  
 A super spy sings about creating a code that assigns a number to each letter of the alphabet. According to this code, a sequence of numbers would read as a word. SON  
 GOAL 1:A C GOAL 2:-0- GOAL 3:D2 D1 (X)
- 117- 9 (SUPERSPY) PAINTBOX OUTRO 12152 :12  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 117-10 X - RAYS 12900 :30  
 In this animation, a doctor uses the vocabulary of geometry to describe the shapes that make up a sculpture. ANI  
 GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)

- 117-11 BUT WHO'S ADDING: 1 16810 3:21  
Two contestants attempt to cover three numbers in a row by selecting two addends from the Addend Board. They then call out the resultant sum.  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 C2c (R)
- 117-12 MATHNET:TRIAL OF GEORGE FRANKLY-2 11022 8:52  
In their on-going attempt to clear George's name, the Mathnetters compute mileage according to an odometer and estimate distance using rate and time.  
GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B4 B5 C2 C1a C4a C4b (R)
- 118- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 118- 2 PERFECT SQUARES 13140 3:25  
A blues band sings about square numbers and graphically suggests their connection to geometry.  
GOAL 1:A C GOAL 2:-0- GOAL 3:B2 B1 (X)
- 118- 3 MUSEUM - 1 12521 1:12  
A painter sees a square array of dots and paints numerals that are square numbers - 1,4,9 and 16.  
GOAL 1:B C GOAL 2:-0- GOAL 3:B2 G6 (X)
- 118- 4 TROJAN PIE 12540 4:38  
In order to sneak behind Trojan walls, a wily Greek builds the Trojan pie - a triangular wedge designed for 36 soldiers, a triangular number.  
GOAL 1:A C GOAL 2:A1 B4 D1 C1b C2c GOAL 3:B2 D2 G6 C3a B1 (R)

- 118- 5 MUSEUM - 2 12522 :57  
A painter sees a triangular array of dots and paints  
numerals that are triangular numbers - 1,3,6, and 10.  
PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 118- 6 GROANING WALL IV/ CELEBRITY 11874 :46  
Tempest Bledsoe, one of the "Cosby" kids, asks the  
cast mathematical riddles - all of which have a  
mathematical theme.  
STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 118- 7 MUSEUM - 3 12523 :49  
A museum visitor returns to the painter and tells him  
that he understands his paintings now - he has been  
depicting square and triangular numbers.  
PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 118- 8 NEWSROOM INTERRUPT: 6 (SQ. NUMBER DEF) 16900 :11  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B2 (-)
- 118- 9 BUT WHO'S MULTIPLYING: 11 16940 4:35  
Two contestants attempt to cover three numbers in a  
row by selecting factors of these numbers from the  
Factor Board - and calling out the resultant product.  
GAM  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R)  
C2c F4
- 118-10 MATHNET:TRIAL OF GEORGE FRANKLY-3 11023 9:24  
The Mathnetters search a database for all the people  
George has arrested. They cannot find two who borke  
into a bank's computer system and manipulated the  
decimal points of their account balances.  
NET  
GOAL 1:A C GOAL 2:A1 B1 B3 B4 GOAL 3:F4 A2 (R)
- 119- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 119- 2 ROUND OFF 12620 5:27  
Two contestants play a game in which the host calls  
out a number, and they must round it off to the  
nearest 10, 100, or 1000 correctly.  
STU  
GOAL 1:C GOAL 2:A1 D1 GOAL 3:B4 A2 (R)
- 119- 3 CABOT & MARSHMALLOW: ROUND TO CONFOUND 14850 1:21  
Marshmallow learns that rounding numbers is not  
always appropriate when Cabot rounds the \$4.50 he  
owes Marshmallow down to zero.  
STU  
GOAL 1:C GOAL 2:A1 A3 B2 B4 D1 GOAL 3:B4 B1 (R)  
D3 C2b
- 119- 4 ROUND IT OFF 14540 3:02  
The cast sings a country and western tune that deals  
with the importance of rounding numbers.  
SON  
GOAL 1:C GOAL 2:-0- GOAL 3:B4 (X)
- 119- 5 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 119- 6 BLACKSTONE: MOVE THE CLIP 15539 2:48  
Blackstone correctly identifies the number of paper  
clips that have been moved as he notes the new  
position of the one clip that is oriented opposite  
the others.  
STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:G2 (X)
- 119- 7 (ROUNDING) LOGO 17820 :08  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 119- 8 ROMANCE OF GEOMETRY 12910 :30  
In this animation, the daydreams of a boy and girl  
alternate between romance and geometry until they  
merge into two congruent triangles.  
ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)

- 119- 9 MATHNET: TRIAL OF GEORGE FRANKLY-4 11024 13:26  
 The pilot who allegedly flew George off the island to rob the bank uses arithmetic to prove that George had the time to commit the crime. Much to George's surprise, the pilot also identifies him.  
 GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B1 (R)  
 NET
- 120- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 120- 2 WARNING 16 (PRIME NUMBERS) 17597 :16  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:B2 (-)
- 120- 3 CALLOUS: CANDY BOX 16700 5:55  
 Attempting to design a package for 101 candies, wealthy Texans see the host of possibilities that exist when they consider 100 candies instead. The final solution plays on 101 being the sum of squares  
 GOAL 1:A C GOAL 2:A1 A2 B4 D1 D2 GOAL 3:B2 C2 B1 (R)  
 Cle C2b C2c C4a
- 120- 4 BUREAU OF MISSING NUMBERS: 101 15910 2:16  
 Terry Ryan, an investigator, takes information pertaining to the number 101 and inputs it in her computer. These characteristics include whether it is prime, whether it is the sum of squares, etc.  
 GOAL 1:A GOAL 2:A1 B3 B4 C1c GOAL 3:B2 B1 A1 (R)  
 STU
- 120- 5 PRIME CLUB 14860 2:42  
 The cast explores the difference between prime and non-prime numbers in this rap song about a club that only allows entrance to prime numbers.  
 GOAL 1:C GOAL 2:A1 B1 B6 Cle GOAL 3:B2 (R)  
 STU

- 120- 6 SQUARE DANCE 13540 :55  
 This animation shows square numbers of dots arranging  
 themselves into square arrays - all to a square dance  
 tune. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:D2 B2 G6 (X)  
 G2
- 120- 7 (MULT. RAP) LOGO 13023 :06  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 120- 8 MULTIPLICATION RAP 13022 2:04  
 Kurtis Blow, the rapper, enters the classroom and  
 raps a song about multiplication as the cast keeps  
 the beat. STU
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 B1 (X)
- 120- 9 MATHMAN: FRACTIONS LESS THAN  $1/2$  (REV.) 12490 1:49  
 Mathman plays a video game in which he must eat only  
 fractions less than  $1/2$ . ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:D1 A3 (X)
- 120-10 MATHNET: TRIAL OF GEORGE FRANKLY-5 11025 9:30  
 Kate proves that George could not possibly have left  
 the island and committed the crime because weather  
 conditions would not have allowed the plane to  
 maintain its usual speed. NET
- GOAL 1:A B GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B5 (R)  
 C1a C1e C4a C4b

- 121- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 121- 2 HUNDRED SQUARE: COMMON MULTIPLE 15 - 18 14135 :11  
This animation takes a number chart, highlights the  
multiples of 15, then highlights the multiples of 18,  
and finally highlights the multiples that they have  
in common. ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:B2 D2 (X)
- 121- 3 (CLOWN SCHOOL IN) 11831 :10  
-0- BUM  
GOAL 1: GOAL 2:-0- GOAL 3:-0- (-)
- 121- 4 CLOWN SCHOOL INVESTIGATION 11830 5:00  
Bozo proves the seriousness of his clown school by  
showing that if one clown enters every 15 seconds and  
the other enters every 18 seconds, the two clowns  
will enter simultaneously at 90 seconds. STU  
GOAL 1:A GOAL 2:A1 A2 B3 B4 C1c GOAL 3:B2 B1 (R)  
C3c
- 121- 5 (BUT WHO'S COUNTING INTRO) LOGO 17810 :07  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 121- 6 BUT WHO'S COUNTING: 4 12114 5:32  
Contestants arrange five randomly selected digits in  
an attempt to form a 2-digit and a 3-digit number  
with the largest possible sum. The players must apply  
some knowledge of place value & probability. GAM  
GOAL 1:A C GOAL 2:A1 B4 B5 D1 D2 GOAL 3:A2 D1 F4 (R)  
C1b C2c



- 121- 7 COMMON MULTIPLE MAN 11890 4:21  
 When a couple has to figure out how many hors  
 d'oeuvres to buy to serve either 12, 16, or 24 guest  
 equally , they call Common Multiple Man, a super hero  
 with a very strange super power. STU
- GOAL 1:A C GOAL 2:A1 A3 B1 B4 D1 GOAL 3:B2 (R)  
 D2 D4 C1c C2c  
 C3a
- 121- 8 LESS THAN ZERO 14150 2:05  
 This song presents a diving, dance, skating, and  
 hammer-throw competition to show arithmetic  
 realizations of negative numbers. SON
- GOAL 1:C GOAL 2:-0- GOAL 3:A6 D1 (X)
- 121- 9 POS VS. NEG JOUSTS: PARATROOPERS 15294 :26  
 When five "positive" clay-mation creatures parachute  
 onto three "negative" creatures, two "positive"  
 creatures remain. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 121-10 SHOW REMAINDER 4 (\_\_\_\_GONE \_\_\_\_TO COME) 17711 :10  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 (-)
- 121-11 RATINGS WAR 14870 2:25  
 Larry uses a double bar graph to contrast the number  
 of people who eat rutabagas with the number of people  
 who watch Square One TV. STU
- GOAL 1:A C GOAL 2:-0- GOAL 3:F6 F5 (X)
- 121-12 MATHNET:PROBLEM OF THE DIRTY MONEY-1 11051 6:35  
 The Mathnetters investigate three reports of dump  
 trucks mysteriously disappearing and reappearing  
 before they realize that what is being stolen is the  
 dirt! NET
- GOAL 1:-0- GOAL 2:A1 C2a C4b GOAL 3:-0- (R)

- 122- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 122- 2 THIRTY-TWO DIVIDED BY FIVE - 1 13331 3:56  
Washington has 32 men whom he must get across the river. Because only 5 men can fit in a boat, he must pay for a seventh boat to carry the extra man. In this case, the answer to 32 divided by 5 is 7.  
STU  
GOAL 1:A C GOAL 2:A1 A2 B4 D1 GOAL 3:B1 B4 (R)
- 122- 3 EB: CONCAVE/CONVEX #2 16260 :24  
This short animation illustrates the difference between concave and convex.  
ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G6 (-)
- 122- 4 THIRTY-TWO DIVIDED BY FIVE - 2 13332 2:02  
If a tent requires 5 yards of material and Betsy Ross has 32 yards, she can make 6 tents - with 2 yards left over for a flag. In this case, the answer to 32 divided by 5 is 6.  
STU  
GOAL 1:A C GOAL 2:A1 B4 GOAL 3:B1 B4 (R)
- 122- 5 EB: CONCAVE/CONVEX #3 16270 :21  
This short animation illustrates the difference between concave and convex.  
ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G6 (-)
- 122- 6 (32/5 PT. 3) LEAD IN 13335 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 122- 7 THIRTY-TWO DIVIDED BY FIVE - 3 13333 2:58  
Five revolutionary war heroes evenly split a \$32.00 bill - each spending \$6.40. In this case, the answer to 32 divided by 5 is 6.40.  
STU  
GOAL 1:A C GOAL 2:A1 A3 B1 B4 D2 GOAL 3:B1 B4 A4 (R)

122- 8 (BLACKSTONE NAME NUMBER INTRO) LOGO -0-	17840	:15 BUM
GOAL 1:-0-      GOAL 2:-0-      GOAL 3:-0-		(-)
122- 9 (BLACKSTONE) LEAD-IN & TAG -0-	15540	:09 BUM
GOAL 1:-0-      GOAL 2:-0-      GOAL 3:-0-		(-)
122-10 BLACKSTONE: NAME THE NUMBER A spectator lays out 2 rows of coins - 1 row has 1 more coin than the other. He thinks of a number and subtracts coins from the 2 rows. The final number of coins is 1 less than the number thought of.	13446	4:00 STU
GOAL 1:-0-      GOAL 2:-0-      GOAL 3:B3		(X)
122-11 ODD AND EVEN HANDS Two hands stick out different numbers of fingers, and a voice calls out Odd or Even.	13590	:35 STU
GOAL 1:C      GOAL 2:-0-      GOAL 3:B3		(X)
122-12 VO:THIS PROGRAM CONTAINS IDEAS -0-	17770	:12 BUM
GOAL 1:-0-      GOAL 2:-0-      GOAL 3:-0-		(-)
122-13 JENNY DIDN'T CALL This song establishes a telephone calling pattern between Jenny and Jim. The graphics illustrate the pattern that emerges.	13260	2:30 SON
GOAL 1:A C      GOAL 2:C3a C4a      GOAL 3:D2		(R)
122-14 MATHNET:PROBLEM OF THE DIRTY MONEY-2 At the diner, the Mathnetters multiply to figure out tax. They also discover a pattern in the numbers of the stolen vehicles. They use a map and compass to chart the possible distance & route.	11052	9:24 NET
GOAL 1:A B      GOAL 2:A1 B1 B2 B3 B4 C1a C1d C3a C4a      GOAL 3:A9 A3 G4 B5 A5		(R)

SQUARE ONE TV: WEEK 5

- 123- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 123- 2 KING FOR A DAY 11260 :5:49  
When a king wants to divide his trapezoidally-shaped country into 3 pieces--2 of which are the same size but smaller than the third--he cuts off a triangle from each side, leaving a large rectangle. STU  
GOAL 1:A C GOAL 2:A1 B6 C1e C2c GOAL 3:G6 (R)
- 123- 3 PERSON ON THE STREET: TRAPEZOID 17671 1:17  
The Person on the Street Interviewer asks a variety of people what a trapezoid is. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 123- 4 TRAPEZOID MONKS 11250 2:29  
Because these monks speak only once every ten years, the world waits patiently as they define and illustrate a trapezoid. STU  
GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 123- 5 MATHMAN: EVEN NUMBERS 15590 :58  
Mathman plays a video game in which he must eat only even numbers. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)
- 123- 6 DADDY KNOWS DIFFERENT: LAWN MOWING - 1 11191 2:22  
Dad and Rusty discuss how to figure out the area of their irregular lawn in order to determine how much to pay Rusty for mowing it. Dad decides to use his Super Mower with built-in measuring device. STU  
GOAL 1:A C GOAL 2:A1 A3 B3 B4 C1b C2c GOAL 3:C2 C4 (R)

- 123- 7 ROMAN NUMERAL BLUES 11340 3:07  
Luisa enters a dream-like world in this song about SON  
Roman numerals.
- GOAL 1:A C GOAL 2:-0- GOAL 3:A2 (X)
- 123- 8 DADDY KNOWS DIFFERENT: LAWN MOWING - 2 11192 3:18  
When Dad's Super Mower with built-in measuring device PAR  
fails to measure the lawn, Rusty pulls out an aerial  
photograph of the lawn. The two figure out the area  
- but Dad's already mowed the lawn.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 123- 9 OOPS! DIVISION 6 INTO 4212 16750 1:50  
A confused scientist fails to acknowledge place value STU  
and makes a long division mistake that causes a  
stock-footage disaster.
- GOAL 1:A GOAL 2:A1 A2 B4 D1 GOAL 3:A2 B1 (R)
- 123-10 MATHNET: PROBLEM OF THE DIRTY MONEY-3 11053 6:02  
The Mathnetters discover that a famous bank robber NET  
once lived in the house that previously sat atop the  
land from where the dirt was stolen.
- GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 124- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 124- 2 MATHMAN: PRIME NUMBERS 15600 1:30  
Mathman plays a videogame in which he must eat only ANI  
prime numbers.
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 124- 3 MATINEE MOVIE: DIALING FOR FACTORS - 1 12081 :36  
Shirley Schlemmer, a television celebrity, asks her STU  
viewers to call in with the factors of 84.
- GOAL 1:C GOAL 2:A1 GOAL 3:B2 B1 (R)

- 124- 4 MR. BLAND BUILDS HIS DREAM HOUSE - 1 12091 3:02  
Mr. Bland hires Stan and Ollie to make him a rectangular window using his 17 antique panes of glass. But, he does not want a long thin rectangle. STU  
GOAL 1:A C GOAL 2:A1 B4 D2 D4 C1e GOAL 3:B2 B1 G6 (R)
- 124- 5 MATINEE MOVIE: DIALING FOR FACTORS - 2 12082 1:48  
A caller calls in with the factors of 84, listing all the factors and reiterating the prime ones. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 124- 6 MR. BLAND BUILDS HIS DREAM HOUSE - 2 12092 2:23  
When Stanley inadvertently breaks 1 and then 2 panes of glass, that leaves 16 and then 15 panes to work with. Because these numbers are not prime, they form several rectangles. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 124- 7 MATINEE MOVIE: DIALING FOR FACTORS - 3 12083 :18  
Shirley Schlemmer thanks her audience for tuning in to "Dialing for Factors" and asks them to join her next week for the Matinee Movie. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 124- 8 (MR. BLAND) NEWSROOM INTERRUPT:11 12093 :16  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 124- 9 SHOW REMAINDER 4 ( GONE TO COME) 17711 :10  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 (-)
- 124-10 BUREAU OF THE MISSING NUMBERS: 9 15440 1:49  
Terry Ryan, an investigator, takes information pertaining to the number 9 and inputs this information into her computer. These characteristics include factors, if it is prime or square, etc. STU  
GOAL 1:A GOAL 2:A1 B3 B4 C2c GOAL 3:B2 B3 (R)

- 124-11 NINES 15870 2:34  
The cast sings a country music tune expressing the idea that the sum of the digits of any multiple of 9 always add up to 9 or a multiple of 9. SON
- GOAL 1:B C GOAL 2:-0- GOAL 3:B2 D2 B1 (X)
- 124-12 BUT WHO'S ADDING: 6 16815 4:39  
Two contestants attempt to cover three numbers in a row by selecting addends of those numbers from the Addend board and calling out the resultant sum. GAM
- GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 (R)  
C2c
- 124-13 MATHNET:PROBLEM OF THE DIRTY MONEY-4 11054 7:56  
The Mathnetters do an analysis of the soil from the Abandoned Gravel Pits and that of Mailbag's back yard. They also determine that the footprints at the Pits and in Mailbag's garden are the same. NET
- GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 125- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 125- 2 AMAZING STORY OF NINES - 1 11351 4:31  
A character stumbles upon a genie who explains the amazing story of nines to him. He learns that the sum of the digits of any multiple of 9 is 9 or a multiple of 9. STU
- GOAL 1:B GOAL 2:-0- GOAL 3:B2 D2 B1 (X)  
A1
- 125- 3 DANCE OF THE GEO SHAPES:HEXAHEDRON 13605 :20  
Computer graphics illustrate and highlight a hexahedron as it rotates in space. AN
- GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)

- 125- 4 AMAZING STORY OF NINES - 2 11352 1:03  
The genie provides examples that illustrate that the sum of the digits of any multiple of 9 is 9 or a multiple of 9. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 125- 5 DANCE OF THE GEO SHAPES:PENTAGON PYRAMID 13602 :20  
Computer graphics illustrate and highlight a pentagon pyramid as it rotates in space ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)
- 125- 6 AMAZING STORY OF NINES - 3 11353 1:42  
The genie provides even more examples illustrating that the sum of the digits of any multiple of 9 is 9 or a multiple of 9. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 125- 7 CHANGE YOUR POINT OF VIEW 16740 :26  
In a Middle Eastern bazaar, two children meet up with a wizard who helps them solve the mystery of the hieroglyphic. He stresses looking at the problem in a variety of different ways. SON
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 (X)
- 125- 8 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 125- 9 BLACKSTONE: ONE TO EIGHT MIND READING 13445 2:44  
Blackstone has 4 slips of paper numbered 1-2,3-4,5-6,7-8 on front and back. Because all the odd numbers are face up, when a spectator turns over any of the paper slips, the answer will always be 17. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 D2 (X)
- 125-10 (FRACTION RAP INTRO) LOGO 17860 :07  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)



125-11 FRACTION RAP, THE

16710

2:40  
SON

Larry and Reg rap about fractions.

GOAL 1:A C

GOAL 2:A1 A3 B4 D4

GOAL 3:A3 B1

(R)

125-12 MATHNET:PROBLEM OF THE DIRTY MONEY-5

11055

8:41  
NET

The Mathnetter use problem-solving skills as they re-examine their hypothesis and calculate the weight of \$1,000,000 in \$1 or \$5 bills.

GOAL 1:A

GOAL 2:A1 B1 B2 B3 B4

GOAL 3:A3

(R)

SQUARE ONE TV: WEEK 6

- 126- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 126- 2 DATA HEADACHE III 14310 :1:10  
A corporate executive uses a line graph to organize her expenses and rid herself of a data headache. STU  
GOAL 1:A GOAL 2:-0- GOAL 3:F6 (X)
- 126- 3 DRAGON MAINTENANCE 13520 4:36  
Two representatives from the Dragon Maintenance Co. use a pie chart to show a knight the cost breakdown of raising a dragon. STU  
GOAL 1:A C GOAL 2:A1 B1 C1d GOAL 3:F6 A5 (R)
- 126- 4 GRAPH OF LOVE 11700 2:58  
Beverly uses a broken line graph to rate her boyfriend from September to May. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:F6 D1 (X)
- 126- 5 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 126- 6 BLACKSTONE: A CARD TRICK W/OUT CARDS 13444 3:45  
Using an invisible deck of cards, Blackstone asks a spectator to pick a card, apply mathematical operations, and tell him the number. Blackstone uses operations and names the original number. STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 126- 7 INFINITY (SONG) 10230 3:18  
The song introduces the idea that there is no largest number. The graphics suggest several infinite collections to support the song. SON  
GOAL 1:B C GOAL 2:-0- GOAL 3:D1 B1 (X)

- 126- 8 INFINITY (INFINITE REGRESS) 16250 :41  
ANI  
The camera zooms in on Beverly sitting in a room with a picture of Beverly sitting in a room with a picture of Beverly sitting in a room -- to illustrate the idea of infinite regress.
- GOAL 1:B GOAL 2:-0- GOAL 3:D1 G2 (X)
- 126- 9 INFINITY REPRISE: 1 10231 :02  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 126-10 MATHNET:MYSTERY OF THE MALTESE PIGEON-1 14081 10:18  
NET  
George calculates a batting average. A new client enters and wants them to determine how many people can view the priceless Maltese Pigeon. The Mathnetters use a map of the museum and do arithmetic.
- GOAL 1:A GOAL 2:A1 B2 B3 B4 Cla GOAL 3:B1 D1 G4 (R)
- 127- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 127- 2 EAGLE EXPRESS: TULSA - 1 11331 2:24  
STU  
George and Junior use a map whose scale is 1 inch: 50 miles to figure out the distance between Detroit and Chicago.
- GOAL 1:A C GOAL 2:A1 B1 B3 B4 D1 Cla GOAL 3:C1 G4 B1 (R)
- 127- 3 DRAW A MAP 16690 2:14  
SON  
In order for Luisa to reach Arthur's house, he gives her instructions to make a map. He includes significant landmarks and uses a scale where 1 inch equals 1 mile.
- GOAL 1:A C GOAL 2:A1 B1 B3 Cla GOAL 3:G4 G4 C2 (R)

SQUARE ONE TV: WEEK 6

- 127- 4 EAGLE EXPRESS: TULSA - 2 11332 4:22  
 Junior uses a different map to determine the distance between Detroit and Tulsa. Her calculations are wrong, however, because she uses the wrong scale.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 127- 5 (APPLIANCE PULL I) LEAD IN 12184 :07  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 127- 6 APPLIANCE PULL: 1 (PT.2 DELETED) 12181 2:32  
 Wide Wide World of Sports You Never Heard Of visits an Appliance Pull where two competitors must pull a heavy appliance 450 yards around a rectangular park. STU  
 GOAL 1:C GOAL 2:A1 B1 B2 B4 D1 GOAL 3:C2 B1 G6 (R)  
 D2 C1a C2a G4
- 127- 7 FORTUNE TELLER 14750 2:04  
 A fortune teller correctly guesses Arthur's age by asking him to perform a series of operations on this number. She simply performs the inverse operations on the new number to arrive at his age. STU  
 GOAL 1:A B C GOAL 2:-0- GOAL 3:D2 B1 (X)
- 127- 8 APPLIANCE PULL: 3 12183 1:35  
 Although the competitor in the inner lane finished the race first, the perimeter of the rectangle he travelled was not the full 450 yards - so the competitor in the outer lane won the race. PAR  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 127- 9 VO: DON'T DESPAIR 17325 :06  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 127-10 MATHNET:MYSTERY OF THE MALTESE PIGEON-2 14082 10:59  
 When the Pigeon is stolen, the Mathnetters suspect  
 Noel Nile and Kaspar Stoutman. Knowing Stoutman's  
 license number, they search a DMV database to get his  
 address.  
 GOAL 1:-0- GOAL 2:A1 A2 B1 GOAL 3:F4 (R)  
 NET
- 128- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 128- 2 SUDS: RAFFLE TICKET - 1 10010 2:37  
 The 3 Suds characters discuss buying a raffle ticket  
 that will give them a 1/1000 chance of winning. STU  
 GOAL 1:A C GOAL 2:A1 B4 B5 D1 D2 GOAL 3:F1 A3 A2 (R)  
 Cle C2a
- 128- 3 PERSON ON THE STREET: DODECAHEDRON 13002 1:15  
 The Person on the Street Interviewer asks a variety  
 of people what a dodecahedron is. LAF  
 GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 128- 4 DANCE OF THE GEO SHAPES:DODECAHEDRON 13606 :20  
 Computer graphics illustrate and highlight a ANI  
 dodecahedron as it rotates in space.  
 GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)
- 128- 5 SUDS: RAFFLE TICKET - 2 10030 2:12  
 Because the 3 characters did not contribute equally  
 to the purchase of the ticket, they discuss splitting  
 possible winnings according to the percentage of the  
 ticket cost they put up initially. STU  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 F4 B1 (R)

- 128- 6 GREMPOD AND BLOTMO: SPONGE CANDY 14420 2:18  
 Grempod, a Rigelian alien, offers his pal Blotmo a ripe sea fig from the planet Xerkne if he can guess which of his 4 hands holds the treat. The probability is 1/4 that Blotmo will choose correctly.  
 GOAL 1:C GOAL 2:A1 A2 B1 B5 D1 GOAL 3:F1 A3 (R)  
 C2a
- 128- 7 SUDS: RAFFLE TICKET - 3 10040 1:10  
 Although the Suds characters have the first 2 of the 3 numbers, they do not have the last number - and, so, don't win. As consolation, the clerk tears their ticket into 2 quarters and 1 half piece.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 (R)
- 128- 8 (TONY & TOGAS INTRO) LOGO 17890 :10  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 128- 9 TONY AND THE TOGAS 22100 6:25  
 A Phoenician singer finds himself recording a song in Rome and learns about Roman numerals in the process.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A2 (X)  
 SON
- 128-10 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 128-11 BLACKSTONE: DIME, PENNY, NICKEL 15537 2:04  
 Blackstone uses a fundamental property of even and odd numbers to correctly identify which hand holds the dime and which holds the penny. His follow-up trick depends on psychology--not mathematics.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 B1 (X)  
 STU

- 128-12 MATHNET:MYSTERY OF THE MALTESE PIGEON-3 14083 8:19  
When someone steals the real Maltese Pigeon from Stoutman, Noel Nile becomes the prime suspect - until he pops a hole in Maureen O'Reilly's alibi, meaning she lied about her whereabouts. NET
- GOAL 1:A GOAL 2:A1 B1 C4a GOAL 3:-0- (R)
- 129- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 129- 2 MATINEE MOVIE PROMO 12631 :21  
Shirly Schlemmer asks her viewing audience to tune into "Cartablanca", today's Matinee Movie. BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 129- 3 PERFECT SQUARES 13140 3:25  
A blues band sings about square numbers and graphically suggests their connection to geometry. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:B2 B1 (X)
- 129- 4 OOPS! SUBTRACTION 300 - 163 16610 1:27  
A confused engineer makes a 'borrowing' mistake in a subtraction problem and causes a stock-footage plane crash. STU
- GOAL 1:A GOAL 2:A1 A2 B4 GOAL 3:A2 B1 (R)
- 129- 5 MATINEE MOVIE: CARTABLANCA 12630 6:20  
As three characters attempt to leave Cartablanca by plane, an inspector rounds up their weights to make sure that they do not exceed the maximum load. STU
- GOAL 1:A GOAL 2:A1 A2 B2 B4 D1 GOAL 3:B4 B1 (R)
- 129- 6 SHOW REMAINDER 5 (100% OVER? LEFT) 17721 :07  
-0- P
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A5

SQUARE ONE TV: WEEK 6

- 129- 7 PERCENTS 15380 2:25  
 This glitzy song expresses the relations among  
 percents, fractions, and decimals. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:A5 A3 A4 (X)
- 129- 8 MATHMAN: PERCENTAGES LESS THAN  $1/2$  15720 1:13  
 Mathman plays a video game in which he eats  
 percentages less than  $1/2$ . ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:A5 D1 (X)
- 129- 9 (GIANT SQUID) LEAD IN 13481 :05  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 129-10 IN SEARCH OF THE GIANT SQUID 13480 3:51  
 The navigator of a submarine fails to consider the  
 concept of scale -- and mistakenly thinks that they  
 are only centimeters away from a giant iceberg. STU
- GOAL 1:A C GOAL 2:A1 B3 B4 D1 D4 GOAL 3:G4 C1 G4 (R)  
 Cla
- 129-11 WARNING 5 (UNDERSTAND KIND OF SOLUTIONS) 17585 :09  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 129-12 MATHNET:MYSTERY OF THE MALTESE PIGEON-4 14084 7:0  
 The Mathnetters use a database to check for names  
 associated with the Maltese Pigeon. They then talk  
 with an ice sculptor and surmise that the Pigeon  
 could have been an ice sculpture that melted away. NET
- GOAL 1:A C GOAL 2:A1 B1 B2 B3 B4 GOAL 3:-0- (R)  
 C4b
- 130- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)



- 130- 2 (PHONEY JUGGLING) NEWSROOM INTERRUPT:19 13111 :06  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 130- 3 PHONEYMOONERS: JUGGLING THE BOOKS 13111 5:18  
Alph, Throckmorton, and Audrey have 3 piles of 27, STU  
19, and 5 books. To make sure that each one is  
carrying the same load, they rearrange the books to  
make 3 equal piles - and so find the average.
- GOAL 1:A C GOAL 2:A1 A2 D1 D3 C1e GOAL 3:F2 B1 (R)  
C2c
- 130- 4 GROCERY PACKING - 1 13631 :54  
This 4-part sketch illustrates the idea of a STU  
non-computational algorithm by correctly placing  
groceries in a bag. In part 1, Nebbish errs by  
putting a heavy can on top of the eggs.
- GOAL 1:-0- GOAL 2:A1 B1 B6 D1 C1e GOAL 3:D2 (R)  
C2c
- 130- 5 YOU CAN COUNT ON IT 16680 1:58  
This song presents various ways that math shows up in SON  
the world.
- GOAL 1:A C GOAL 2:-0- GOAL 3:C1 (X)
- 130- 6 GROCERY PACKING - 2 13632 :55  
Nebbish doesn't break the eggs this time, but he PAR  
squishes a loaf of bread by placing a heavy box of  
soap on top of it.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 130- 7 SHOW REMAINDER 3 (DEC. SUBTRACT?) 17701 :12  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A4 (-)

- 130- 8 GROCERY PACKING - 3 13633 :53  
 Will this guy ever learn? He puts the heavy can of  
 brussel sprouts in first, but then puts the heavy box  
 of soap on top of the cream puffs.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)  
 PAR
- 130- 9 TROUT ON YOUR HEAD 14010 1:10  
 This commercial uses a horizontal bar graph to  
 illustrate that most quacks sampled suggest putting a  
 trout on one's head as a headache remedy.  
 GOAL 1:A C GOAL 2:A1 B3 D1 C1a GOAL 3:F6 A5 (R)  
 STU
- 130-10 GROCERY PACKING - 4 13634 1:05  
 Finally, Nebbish puts the can into the bag first,  
 then the box of soap. Now, he is free to put the  
 bread, cream puffs, and eggs in without breaking or  
 squishing them.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)  
 PAR
- 130-11 BUT WHO'S ADDING: 4 16813  
 Two contestants attempt to cover three numbers in a  
 row by selecting addends of those numbers from the  
 Addend board and calling out the result sum.  
 GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 (R)  
 C2c
- 130-12 MATHNET:MYSTERY OF THE MALTESE PIGEON-5 14085 :27  
 Thinking logically and mathematically, the  
 Mathnetters determine that Bridget stole the bird  
 from Gutman - and they trap her into a confession.  
 GOAL 1:A GOAL 2:A1 B1 GOAL 3:-0- (R)  
 NET

131- 1	SHOW OPEN	15950	:46
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
131- 2	MATHEMATICS R US: PLACE VALUE HOLDER	10120	2:25
	Smilin' Al offers his customers a Place Value Holder designed to keep track of digits and make numbers up to and including 999,999,999. (Commas included)		STU
	GOAL 1:C	GOAL 2:-0-	GOAL 3:A2 D1 (X)
131- 3	(BON BONS) LEAD IN	14443	:08
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
131- 4	BATTLE OF THE BULGE CATERERS: BON LCNS-1	14441	:01
	The B of B Caterers receive an order for 5367 candies. Private Matter goes to the automatic Bon Bon Boxer and Wrapper and sets the thousands, hundreds, tens and ones counter to the right dial.		STU
	GOAL 1:A C	GOAL 2:A1 A3 B1 B4 C1b C1c C2a C4a	GOAL 3:A2 (R)
131- 5	MISTAKES	10200	2:18
	This song uses a vaudeville setting to convey the message that everyone makes mistakes and everyone learns from mistakes.		SON
	GOAL 1:A C	GOAL 2:-0-	GOAL 3:-0- (X)
131- 6	BATTLE OF THE BULGE CATERERS: BON BONS-2	14442	5:23
	When the automatic Bon Bon Boxer and Packer misfires, Private Matter must manually re-set the dials and correctly transfer the numbers from one counter to the next.		PAK
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
131- 7	SHOW REMAINDER 4 (____ GONE ____ TO COME)	17711	:10
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:A5 (-)

- 131- 8 POS VS. NEG JOUSTS: THE WALL 15295 :35  
 When nine "negative" clay-mation creatures surprise 4 ANI  
 "positive" creatures, five "negative" creatures  
 remain.  
 GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 131- 9 DROPPED COIN 14040 1:34  
 A boy and a girl use subtraction to figure out how LAF  
 much money the boy dropped down a street grate, if he  
 started with \$1.69 and now has \$1.44.  
 GOAL 1:A C GOAL 2:A1 B4 C1e GOAL 3:B1 (R)
- 131-10 ZERO PACS 14570 2:14  
 In this mock commercial, Geraldine Jip offers the Jip STU  
 Miracle Zero, a device that enables one to multiply  
 by 10 by shifting all the digits of that number to  
 the left and tacking on the Miracle Zero.  
 GOAL 1:A C GOAL 2:-0- GOAL 3:A2 B1 (X)
- 131-11 MATHNET: PROBLEM OF THE TROJAN HAMBURG-1 11041 6:47  
 The Mathnetters use a database to locate the NET  
 kidnapped Hans Ballpeen's abandoned car. They also  
 investigate a gigantic hamburger made of wood.  
 GOAL 1:A C GOAL 2:A1 B3 GOAL 3:F4 (R)
- 132- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (~)
- 132- 2 EAGLE EXPRESS: BEMIDJI - 1 12941 2:56  
 George and Junior use a map scale to determine how STU  
 far they have to travel if their base is Detroit and  
 they have to deliver packages to Bemidji, MN and  
 Columbus, NB.  
 GOAL 1:A C GOAL 2:A1 B3 B4 D1 D2 GOAL 3:C2 G4 B1 (R)  
 D3 C1a C2c C4a

- 132- 3 FEET INTO METERS 15510 1:07  
 In this punning sketch, a customer wants to change 9 feet into meters and receives not quite 3 parking meters - because 9 feet is a little less than 3 meters.  
 GOAL 1:C GOAL 2:-0- GOAL 3:C1 (X)  
 STU
- 132- 4 RAGLE EXPRESS: BEMIDJI - 2 12942 3:43  
 George and Junior learn that it is much more efficient to take the triangular route between Detroit, Bemidji, and Columbus - rather than back and forth and back and forth.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)  
 PAR
- 132- 5 METRIC ELECTRIC LOVER 12730 3:20  
 A heavy metal rock band sings a song about the different vocabulary used in the Metric and English measurement system.  
 GOAL 1:C GOAL 2:-0- GOAL 3:C1 (X)  
 SON
- 132- 6 BUT WHO'S ADDING: 7 16816 4:33  
 Two contestants attempt to cover three numbers in a row by selecting addends of these numbers from the Addend Board and calling out the resultant sum.  
 GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 C2c (R)  
 GAM
- 132- 7 (VERY NICE) NEWSROOM INTERRUPT:26 14551 :19  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 132- 8 MATHNET:PROBLEM OF THE TROJAN HAMBURG-2 11042 10:55  
 The Mathnetters calculate how much a 7x7x4 ft oak hamburger box would weigh. They return to the scene more quickly than expected, when Orson Kane discovers that someone has stolen the Despair Diamond.  
 GOAL 1:A GOAL 2:A1 A2 B1 B2 B3 GOAL 3:C2 B1 C3 (A)  
 B4 C1b C2c C4a  
 NET

133- 1	SHOW OPEN	15950	:46
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
133- 2	PHONER: FIBONACCI SEQUENCE	15960	2:08
	Arthur has a one-sided telephone conversation where he writes down the Fibonacci Sequence -- a series of numbers beginning with 1 whose next term is generated by adding the two terms previous.		
	GOAL 1:A C	GOAL 2:-0-	GOAL 3:B3 D2 (X)
133- 3	(BLACKSTONE) LEAD-IN & TAG	15540	:09
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
133- 4	BLACKSTONE: LIGHTENING CALCULATOR	15534	2:33
	Blackstone has the spectator create a Fibonacci series of 10 numbers where each term is the sum of the two previous. He can calculate the sum of the 10 because it equals the 7th term multiplied by 11.		
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:B3 P1 (X)
133- 5	(LIGHTENING CALCULATOR OUTRO) LOGO	17920	:12
	-0-		BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
133- 6	MATHMAN: PERCENTAGES MORE THAN 1/2	15710	1:17
	Mathmar. plays a video game in which he must eat only percentages that are less than 1/2.		
	GOAL 1:C	GOAL 2:-0-	GOAL 3:A5 D1 (X)
133- 7	KING'S STOOGES	11740	6:13
	The Stooges must arrange tables of 4 for 20 people. They can't use 5 separate tables, and they realize that they will need more than the 5 tables if they are to have any sort of a line arrangement.		
	GOAL 1:A	GOAL 2:A1 B4 B6 D1 D2 D3 C1a C4a	GOAL 3:C2 G6 (R)

- 133- 8 PERSON ON THE STREET: TESSELLATIONS 13006 1:04  
The Person on the Street Interviewer asks several LAF  
people if they can define what tessellations are.  
GOAL 1:C GOAL 2:-0- GOAL 3:G3 (X)
- 133- 9 TESSELLATIONS 15810 3:15  
A boppy beach tune illustrates the concept of SON  
tessellation as surfers cover their boards and the  
beach with repeating geometric shapes.  
GOAL 1:B GOAL 2:-0- GOAL 3:G3 G6 (X)
- 133-10 TESSELLATION 13610 1:33  
In this computer graphic animation, sneakers and TV ANI  
sets tessellate across the screen.  
GOAL 1:B C GOAL 2:-0- GOAL 3:G3 D1 (X)
- 133-11 MATHNET:PROBLEM OF THE TROJAN HAMBURG-3 11043 9:01  
Continuing to recover the Diamond, the Mathnetters NET  
calculate how much a carat weighs. They discover a  
piece of balloon canvas on the scene and discuss how  
far a helium balloon could travel.  
GOAL 1:A GOAL 2:1 B1 B2 B3 B4 GOAL 3:B1 C1 C3 (R)  
C3a C4a C4b
- 134- 1 SHOW OPEN 15950 1:46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 134- 2 STEPHAN'S STEREO 14220 3:22  
As the characters attempt to shoot a commercial for STU  
Stephan's Stereo, they note the equivalence of  
decimal, fraction, and percent.  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 A4 A3 (X)
- 134- 3 EB: DECIMALS/PERCENTS/FRACTIONS-75% 17040 2:26  
This short animation uses a circle to illustrate the ANI  
equivalence of 75%, 75/100, .75, and 3/4.  
GOAL 1:B GOAL 2:-0- GOAL 3:A5 A3 A4 (-)

- 134- 4 WELCOME BACK BLOTTER 13230 5:47  
It's Mr. Blotter's birthday, and the Warthogs give him presents that illustrate the concept of percent. STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:A5 A4 A3 (X)
- 134- 5 VO: DON'T DESPAIR 17321 :07  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 134- 6 EIGHT PERCENT OF MY LOVE 11480 2:47  
Cris uses percentages to sing about the various ways his love is divided. As Cris mentions a percentage, a drummer displays the corresponding wedge of a pie chart. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:A5 F6 (X)
- 134- 7 BUT WHO'S COUNTING: 5 12115 5:43  
Kid contestants arrange 5 randomly chosen digits in an attempt to form the largest possible 5 digit number. To play, they must apply some knowledge of place value and probability. GAM  
GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 134- 8 SIDE BY SIDE 16090 :32  
In this mock commercial format, a man displays a young girl using her head as an estimating tool. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:B4 B1 (X)
- 134- 9 MATHNET:PROBLEM OF THE TROJAN HAMBURG-4 11044 8:02  
Hans Ballpeen returns and tells the Mathnetters that his kidnappers forced him to cut the diamond into 7 pieces. They hypothesize that the burglar got in the house via burger and out via ballon. NET  
GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 135- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)



- 135- 2 DON'T RATIO WITHOUT IT 13160 1:14  
In this commercial take-off, the subject is the  
colon, a critical symbol for any ratio. STU
- GOAL 1:A GOAL 2:-0- GOAL 3:B5 (X)
- 135- 3 DON'T BE NOSEY 13650 2:15  
The ratio of people wearing nose glasses to those who  
are not changes several times within a party of STU
- GOAL 1:C GOAL 2:-0- GOAL 3:B5 A3 (X)
- 135- 4 VO: DON'T DESPAIR -0- 17325 :06  
BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 135- 5 (BLACKSTONE) LEAD-IN & TAG -0- 15540 :09  
BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 135- 6 BLACKSTONE: 1 10372 3:05  
Blackstone asks the spectator to take a 3 digit  
number, reverse the digits, subtract the smaller from STU  
the larger, reverse those digits (treat it as a  
3-digit number), and gets the answer 1089.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 C2 E1 (X)
- 135- 7 PROBLEM SONG 10190 2:27  
Arthur solves the problem of how many apples he and  
another character can peel in 3 hours by using SON  
addition, multiplication, and division.
- GOAL 1:A C GOAL 2:A1 B4 C1e C2a GOAL 3:B5 A3 B1 (R)  
C2c
- 135- 8 (COATRACK) LEAD IN -0- 13915 :09  
BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

135- 9 COATRACK

13970

3:50

Koatrack and Snafu practice trial and error to figure out how to pour exactly 4 liters from a 3 liter and a 5 liter measure.

STU

GOAL 1:A C

GOAL 2:A1 A2 B1 B3 B4  
B6 D3 C1e C2c

GOAL 3:C1 C2

(R)

135-10 EB: DOUBLE STAR POLYGON

17110

This short animation illustrates a 5-point star that is circumscribed by a pentagon.

GOAL 1:B

GOAL 2:-0-

GOAL 3:G6

(-)

135-11 MATHNET:PROBLEM OF THE TROJAN HAMBURG-5

11045

12:08

When a half cup of coffee suddenly becomes full, the Mathnetters know that a solid must have displaced the coffee. They recognize that Hans dropped the diamond in the cup and caused the liquid to rise

NET

GOAL 1:-0-

GOAL 2:A1 B1 B2 C4b

GOAL 3:-0-

(R)

- 136- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:- GOAL 3:-0- (-)
- 136- 2 HARRY'S HAMBURGER HAVEN 14240 :27  
As the characters attempt to shoot a commercial for  
Harry's Hamburger Haven, they note the equivalence of  
decimal, fraction, and percent. STU  
GOAL 1:C GOAL 2:-0- GOAL 3:A4 A5 A3 (X)
- 136- 3 ACTION AT THE FRACTION BAR 13250 :24  
This music video takes place at the futuristic  
Fraction Bar and uses vocabulary words associated  
with fractions. It also mentions the relation  
between fractions, decimals, and percents. SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 A4 A5 (X)
- 136- 4 VO: HOW MUCH LEFT 17295 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:- GOAL 3:-0- (-)
- 136- 5 BUT WHO'S MULTIPLYING: 5 16804 :18  
Two contestants attempt to cover three numbers in a  
row by selecting factors of these numbers from the  
Factor Board and calling out the resultant product. GAM  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R)  
C2c F4
- 136- 6 EB: MIXED NUMBERS 17130 :17  
This short animation illustrates mixed numbers by  
showing the same amount of liquid in a number of  
different glasses. ANI  
GOAL 1:A GOAL 2:-0- GOAL 3:A3 D1 (-)

- 136- 7 DINNER BY THE DOZEN 10000 3:43  
 Mrs. Whatsworth panics when she realizes that she has 18 popsicles and 12 guests. But, Clarissa saves the day by using fractions. Each guest will receive  $1 \frac{1}{2}$  popsicles.  
 GOAL 1:A C GOAL 2:A1 B4 C1e C2a C4a GOAL 3:A3 B5 B1 (R) STU
- 136- 8 (DINNER BY THE DOZEN OUTRO) LOGO 17940 :03  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 136- 9 KUBRICK'S RUBE 15250 2:57  
 In order to stop its incessant singing, Irving and Dave give Hank the computer a program he can never finish: start with 3; add 4; stop if the sum is even; if not go back to step two.  
 GOAL 1:A C GOAL 2:A1 A2 A GOAL 3:D1 D2 (R) STU
- 136-10 EB: SNOWFLAKE 17120 :30  
 This short animation takes a snowflake shape that continues to generate triangular offshoots and suggests the idea of fractals.  
 GOAL 1:A B GOAL 2:-0- GOAL 3:G2 G6 (-) ANI
- 136-11 MATHNET:PROBLEM OF THE MISSING MONKEY-1 11031 8:05  
 The Mathnetters investigate a series of burglaries allegedly committed by a monkey that escaped from the zoo.  
 GOAL 1:C GOAL 2:A1 A2 B2 B3 C4a C4b GOAL 3:C3 D1 (R) NET
- 137- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 137- 2 HBC PROGRAMMING 14020 6:46  
A network president and program director use a bar graph to compare the relative popularity of their competition's shows. STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:F6 F5 A3 (X)  
F4
- 137- 3 MAN AT DESK (HEAD CALCULATOR) 16080 :58  
In this commercial take-off, a character reveals the human head as the world's most popular calculator. LAF  
GOAL 1:A C GOAL 2:-0- GOAL 3:B1 B2 (X)
- 137- 4 X...IT'S THE SIGN OF THE TIMES 13580 3:33  
The cast gives a Hispanic flavor to this song about the multiplication symbol. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:B1 (X)
- 137- 5 EB: STRONGMAN PERCENTS OF SHOW-40% 17080 :08  
This short animation illustrates that 40% of the show is over. ANI  
GOAL 1:A GOAL 2:-0- GOAL 3:A5 (-)
- 137- 6 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 137- 7 BLACKSTONE: 21 CARD TRICK 15533 4:16  
Blackstone starts with 21 cards in 3 piles of 7 and has the spectator choose a card. He does a series of manipulations so that when he spells out a 20-word phrase, the chosen card appears next. STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A1 (X)
- 137- 8 MATHMAN: FACTORS OF 60 15620 1:15  
Mathman plays a video game in which he must eat only factors of 60. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)

- 137- 9 EB: QUADRILATERALS (2ND VERSION) 16361 :20  
 This short animation illustrates a variety of  
 different quadrilaterals. ANI
- GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (-)
- 137-10 MATHNET:PROBLEM OF THE MISSING MONKEY-2 11032 9:40  
 In their continued search for a missing monkey, the  
 Mathnetters come across information presented in a  
 circle graph and use a map and compass to estimate  
 the approximate location of the gorilla. NET
- GOAL 1:A C GOAL 2:A1 B1 B2 B3 B4 GOAL 3:G4 C3 B1 (-)  
 B5 C1a E1
- 138- 1 SNOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 138- 2 ODD NUMBERS STRIKE 13040 4:29  
 Roland Gumm interviews several odd numbers who have  
 gone on strike to protest being called odd. STU
- GOAL 1:A C GOAL 2:-0- GOAL 3:B3 D1 (X)
- 138- 3 ODD/EVEN BRICKS 13700 :34  
 This animation takes a given line of bricks and adds  
 either one or two more. The corresponding sound  
 effects call out odd or even to go along with the  
 addition. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:B3 (X)
- 138- 4 MATH RAP 13021 2:36  
 Kurtis Blow, the rapper, enters the classroom and  
 raps a song about mathematics as the cast keeps the  
 beat. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)

- 138- 5 BUT WHO'S COUNTING - TEST SHOW 10150 5:17  
 Contestants arrange five randomly chosen digits in an attempt to form the largest possible 5 digit number. To play, they must apply some knowledge of place value and probability. GAM
- GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 138- 6 SODA SHOPPE 16100 :50  
 Two customers use an easy way to compute a ten percent tip, which they then round up to the nearest ten cents. LAF
- GOAL 1:A C GOAL 2:A1 A2 B2 B4 GOAL 3:A5 A4 B4 (R)
- 138- 7 PHONEYMOONERS: IN THE DOGHOUSE 11610 4:55  
 Alph and Throckmorton build a doghouse whose structural pieces rely on the fundamental properties of odd and even numbers. STU
- GOAL 1:A C GOAL 2:A1 A2 B1 B4 D1 GOAL 3:B3 B1 (R)  
 C1b C2a C3a C4a
- 138- 8 MATHNET:PROBLEM OF THE MISSING MONKEY-3 11033 8:18  
 The Mathnetters continue looking for the monkey, measuring the distance between footprints and using a map to figure distance, rate, and time. NET
- GOAL 1:A C GOAL 2:A1 B1 B2 B3 B4 GOAL 3:G4 B5 (R)  
 C1a C4a
- 139- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 139- 2 SO-FARI, SO-GOODI - 1 13671 2:42  
 Before Lady Huxney can feed the elephants, she must buy a map of the jungle from Jungle Clyde for half her peanuts plus one. STU
- GOAL 1:A C GOAL 2:A1 A3 B1 B4 D1 GOAL 3:D2 B1 (R)  
 C1b C2c

- 139- 3 PERSON ON THE STREET: GOOGOL 13001 :54  
The Person on the Street Interviewer asks a variety of people what a googol is. LAF
- GOAL 1:C GOAL 2:-0- GOAL 3:A1 (X)
- 139- 4 EB: GOOGOL 16290 :22  
This short animation discusses the number one googol: the digit one followed by one hundred zeros. ANI
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A1 B1 (-)
- 139- 5 SO-FARI, SO-GOODI - 2 13672 1:43  
Jungle Clyde informs Lady Huxbey that she now needs a map to the animals. This map will cost her half her peanuts plus two. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 139- 6 GOOGOL 16110 :53  
Moon Unit Zappa discusses being presented with a number: one googol. LAF
- GOAL 1:C GOAL 2:-0- GOAL 3:A1 B1 (X)
- 139- 7 SO-FARI, SO-GOODI - 3 13673 3:15  
Jungle Clyde informs Lady Huxbey that she now needs a map to the elephants - which he will sell her for half her peanuts plus three. That leaves her with only 4 peanuts. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 139- 8 VO: HAS GONE BY -0- 17305 :05  
BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 139- 9 SO-FARI, SO-GOODI - 4 13674 3:05  
Jungle Clyde promises Lady Huxbey that he will give her back all her peanuts if she can tell him how many she started with originally. To solve the problem, Lady Huxbey works backwards. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)



- 139-10 BUREAU OF THE MISSING NUMBERS: 10 15430 2:01  
 Terry Ryan, an investigator, takes information STU  
 pertaining to the number 10 and inputs it into her  
 computer. These characteristics include factors,  
 whether or not it is prime or triangular, etc.
- GOAL 1:A GOAL 2:A1 B3 B4 C1b C1c GOAL 3:B2 B1 (R)  
 C2c
- 139-11 BURGER PATTERN 12140 3:16  
 The Fat Boys use hamburgers to illustrate a SON  
 triangular number pattern.
- GOAL 1:A GOAL 2:A1 B4 D1 C1b C3a GOAL 3:D2 D1 B1 (R)
- 139-12 (BURGER PATTERN OUTRO) LOGO 17960 :07  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 139-13 MATHNET:PROBLEM OF THE MISSING MONKEY-4 11034 8:17  
 The Mathnetter's recognize that, sometimes, one must NET  
 look at a problem from a different point of view --  
 and so hypothesize that they are searching for a  
 gorilla and a man in a monkey suit.
- GOAL 1:C GOAL 2:A1 B1 B3 C1a C3a GOAL 3:-0- (R)  
 C4a C4b
- 140- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 140- 2 LET'S DO A DEAL - 1 11931 5:01  
 Characters recognize that the odds of choosing a gold STU  
 coin from 2 gold and 2 lead coins are better than  
 from 19 gold and 21 lead coins - even though there  
 are more gold coins in the second option.
- GOAL 1:A C GOAL 2:A1 B5 D1 GOAL 3:F1 A3 (R)

- 140- 3 GHOST OF A CHANCE 11950 4:20  
 At a haunted house, a pizza delivery boy finds SON  
 himself in several threatening situations -- each of  
 which has a different probability of escape.  
 GOAL 1:A C GOAL 2:A1 A2 B5 B6 GOAL 3:F1 F3 (R)
- 140- 4 LET'S DO A DEAL - 2 11932 4:10  
 The odds of pulling a sharpened pencil out of 4 PAR  
 sharpened and 1 unsharpened get greater as the  
 contestant successfully (and successively) pulls out  
 the unsharpened ones.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 140- 5 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 140- 6 BLACKSTONE: CARD AND NUMBER 13443 2:16  
 Blackstone asks a spectator to think of a 3-digit STU  
 number, reverse the digits, subtract the larger from  
 the smaller, add the digits of the answer - and the  
 result will always be 18.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 B3 (X)
- 140- 7 MATHNET:PROBLEM OF THE MISSING MONKEY-5 11035 10:01  
 George climbs atop the Hollywood sign, and the NET  
 Mathnetters successfully solve the problem of the  
 missing monkey -- putting both the gorilla and the  
 thief behind bars.  
 GOAL 1:-0- GOAL 2:A1 B1 D1 C4a GOAL 3:-0- (R)

- 141- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 141- 2 (MODERATELY F.S.) NEWSROOM INTERRUPT:17  
-0- 14521 1:10  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 141- 3 MODERATELY FRIGHTENING STORIES 14520 4:10  
STU  
To distract a computer, Igor and the mad scientist give it a never-ending program: start with 1; multiply by 1/2; stop if the answer is zero; otherwise, go back to step two.  
GOAL 1:A C GOAL 2:A1 A3 GOAL 3:D1 B3 (R)
- 141- 4 MATHMAN: MULTIPLES OF 5 15670 1:09  
ANI  
Mathman plays a video game in which he must eat only numbers that are multiples of 5.  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 141- 5 BATTLE OF THE BULGE CATERERS: TRAYS 13390 5:40  
STU  
Having a limited number of trays, the Battle of the Bulge Caterers must rearrange sandwiches so that the greatest possible number fit on a tray.  
GOAL 1:A C GOAL 2:A1 A2 B4 B6 D1 GOAL 3:C2 C4 (R)  
D3 C1c C2c C3a  
C4a
- 141- 6 VO: HOW MUCH LEFT 17292 :06  
BUM  
-0-  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 141- 7 FORESTRY I: DATA COLLECTING 12661 2:47  
LAF  
Sybil Sawyer, Hollywood Reporter, gets stranded in a forest but still finds a story as she interviews a ranger who installs pressure plates to record the number of people who travel on a trail.  
GOAL 1:A GOAL 2:A1 A2 B3 D1 C2c GOAL 3:F5 B4 (R)

- 141- 8 DISCLAIMER: ANGLES  
-0- 10911 :08  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (-)
- 141- 9 ANGLE DANCE 10180 :2:23  
The rock group Plane Geometry sings a song about  
angles and uses body movement to illustrate angles,  
as well. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (X)
- 141-10 PLAYING THE ANGLE 15330 :3:00  
Nancy Lieberman, the first woman to play professional  
basketball, talks about and demonstrates the  
mathematics involved in basketball. She cites angles  
and parabolas, in particular. LAF  
GOAL 1:A C GOAL 2:A1 A2 A3 B2 B5 GOAL 3:G6 F4 C2 (R)  
A3 A5
- 141-11 PONG GAME 15180 :19  
This animation illustrates billiard geometry and  
shows a ball rebounding from wall to wall before  
finally exiting the one opening. ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G2 G6 (X)
- 141-12 MATHNET-CASE OF THE MISSING BASEBALL-1 10540 :6:27  
The Mathnetters investigate a missing baseball by  
determining the angle at which it would have  
rebounded off a billboard. NET  
GOAL 1:A GOAL 2:A1 B1 B3 B4 C1a GOAL 3:G6 G4 (R)  
C2c
- 142- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 142- 2 POLLSTER - 1 14881 2:08  
 A pollster learns his sample is not very representative when he polls 20 people whose last names begin with Z - and they all happen to be relatives of Candidate Zagursky. STU
- GOAL 1:A C GOAL 2:A1 B3 B4 B6 D1 GOAL 3:F4 A5 F5 (R)  
 C2a C3b C4a F6
- 142- 3 FORESTRY II: STAT. SAMPLING 12662 3:26  
 Still awaiting her car, Sybil Sawyer visits with a ranger who shows her that knowing the perimeter and age of a tree aids in determining what trees to cut down to insure the growth of others. LAF
- GOAL 1:A GOAL 2:A1 B3 D1 C2b GOAL 3:C3 C2 F5 (R)  
 C1 G6
- 142- 4 EB: STRONGMAN PERCENTS OF SHOW-20% 17070 :08  
 This short animation shows a strongman testing his strength and simultaneously illustrating that 20% of the show has passed. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:A5 (-)
- 142- 5 POLLSTER - 2 14882 2:05  
 A pollster's sample is still not representative if it consists only of people at the Post Office where candidate Zagursky worked for 15 years. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 142- 6 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 142- 7 BLACKSTONE: COIN MINDREADING 13447 3:17  
 Blackstone asks a spectator to count the number of coins on the table, add the digits, and subtract that number of coins. (9 coins now remain). Blackstone can easily identify the number removed next. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:B1 (X)

- 142- 8 POLLSTER - 3 14883 1:39  
When the pollster finally conducts a poll with a random sampling, he discovers that Candidate Zagursky doesn't have a chance.  
PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 142- 9 HUNDRED SQUARES TABLE - LONG 13560 :42  
This animation takes a number chart through 100 and highlights the multiples of 1,2,3,4,5,6,7,8,9 and 10.  
ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:B2 D2 (X)
- 142-10 (SUPERSPY) PAINTBOX LEAD IN 12151 :19  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 142-11 NEIGHBORHOOD SUPERSPY 12150 3:50  
A super spy sings about creating a code that assigns a number to each letter of the alphabet. According to this code, a sequence of numbers would read as a word.  
SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:D2 D1 (X)
- 142-12 (TOP SECRET) NEWSROOM INTERRUPT:23 14101 :14  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 142-13 TOP SECRET NO PEEKING 14100 3:14  
The president asks two trusted advisors to solve a subtraction and addition problem for which there are two possible answers. A clarification of context (and parentheses) results in only one answer.  
STU
- GOAL 1:A C GOAL 2:A1 B4 D1 C2a GOAL 3:B1 (R)
- 142-14 SHOW REMAINDER 6 (\_\_\_LEFT CHOOSE ANSWER) 17731 :15  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 (-)

- 142-15 MATHNET-CASE OF THE MISSING BASEBALL-2 10630 5:23  
The Mathnetters gather facts and use logical reasoning to determine the whereabouts of a missing house. NET
- GOAL 1:A GOAL 2:A1 B1 B3 C1a C1e GOAL 3:G4 (R)  
C4a C4b
- 143- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143- 2 HOW TO BUILD A BRIDGE - 1 12651 3:20  
In this animation, a coyote tries to build a bridge across two cliffs in order to catch a roadrunner. He first makes a straight line of struts, but there is no support and he falls through the middle. ANI
- GOAL 1:A C GOAL 2:A1 B4 B6 C4a GOAL 3:G6 (R)
- 143- 3 EB: SUM MEASURE TRI. #1 16450 :16  
This short animation demonstrates that the sum of the angles in a triangle equal 180 degrees. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G6 (-)
- 143- 4 HOW TO BUILD A BRIDGE - 2 12652 :58  
The coyote tries to improve on his bridge by building a rectangle, but the rectangle is inherently unstable. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143- 5 TRIANGLE SONG 13270 2:02  
This song uses still photography to show examples of triangles in the world. SON
- GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (X)

- 143- 6 HOW TO BUILD A BRIDGE - 3 12653 :52  
The coyote succeeds in buiding a bridge by making a series of right triangle supports. However, the cliffs then begin to crumble.  
PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143- 7 FORESTRY III: TRIGONOMETRY 12663 3:09  
A forestry ranger uses a special measuring tool based on trigonometric principles to determine the height of trees.  
LAF
- GOAL 1:A GOAL 2:A1 B2 B3 B4 C1b GOAL 3:C3 C2 G6 F5 (R)
- 143- 8 SHOW REMAINDER 2 (IF\_\_TO BE\_\_MUCH SEEN) 17691 :12  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143- 9 MATHEMATICS R US: THE CUBE 14030 3:26  
When a burglar breaks in to Smilin' Al's showroom, he traps him by placing him atop a hexomino and folding it up to make a cube.  
STU
- GOAL 1:B C GOAL 2:-0- GOAL 3:G1 G6 (X)
- 143-10 (BALONEY) LEAD IN 14301 :18  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143-11 BALONEY 14300 1:43  
Two crazy characters visit the International House of Balony where they have a choice of any 2 of the 4 toppings for their sandwiches. They demonstrate and make a list to determine the possibilities.  
STU
- GOAL 1:A C GOAL 2:B3 C1b C2c GOAL 3:E1 F6 (R)
- 143-12 EB: BRIDGE MONTAGE 17010 :31  
This short animation illustrates a variety of bridges and highlights the triangles.  
ANI
- GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (-)



- 143-13 BUT WHO'S COUNTING: 1 12111 5:48  
 Contestants arrange five randomly chosen digits in an attempt to form the smallest possible 5 digit number. To play, they must apply some knowledge of place value and probability. GAM
- GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 143-14 STATION PROMO (CYNTHIA) 14267 :06  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 143-15 MATHNET-CASE OF THE MISSING BASEBALL-3 10670 6:17  
 The Mathnetters continue their search for the missing house, using a database to access information about a pair of glasses that have turned up on the property. NET
- GOAL 1:A GOAL 2:A1 B1 B3 C1a C2c GOAL 3:F4 A9 (R)  
 C3a
- 144- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 144- 2 CABOT & MARSHMALLOW: WOODEN CANDY BARS 14820 2:20  
 Cabot uses 3 differently shaped rectangular wooden blocks to illustrate that objects with different dimensions can still have the same volume. STU
- GOAL 1:A C GOAL 2:A1 A2 B2 B3 B4 GOAL 3:C2 C1 (R)  
 C1e C2a C4a
- 144- 3 FORESTRY IV: UNITS OF MEASURE 12664 3:47  
 Sybil Cawyer, Hollywood reporter, interviews a logger who explains how they calculate the volume of board feet in any log. LAF
- GOAL 1:A GOAL 2:A1 B3 34 D1 C2b GOAL 3:C2 C1 C3 (R)

- 144- 4 OOPS! DECIMALS/MULTIPLICATION 4.3 x 2.6 16760 1:51  
When a confused character puts the decimal point in  
the wrong place, disaster results. STU  
GOAL 1:A GOAL 2:A1 A2 B4 D1 GOAL 3:A4 B1 (R)
- 144- 5 QUEEN'S BED 13050 3:48  
In the days before standardized measurement, a king  
accuses a carpenter of mis-making a queen-sized bed.  
But, the king measured the bed according to his foot  
and the carpenter measured using his foot. STU  
GOAL 1:A C GOAL 2:A1 B1 B3 C1b C2a GOAL 3:C1 C2 D1 (R)
- 144- 6 VO: HOW MUCH LEFT 17291 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 144- 7 MATHMAN: MULTIPLES OF 6 15680 :57  
Mathman plays a video game in which he must eat only  
multiples of 6. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 144- 8 COUNTIN' OUT THE RHYTHM 11670 2:58  
This song, staged in a very urban setting,  
illustrates that there are 4 beats to every musical  
measure. The song also stresses the idea of  
subdividing each measure into 8 and 16 beats as well. SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 144- 9 BUT WHO'S ADDING: 1 16810 3:21  
Two contestants attempt to cover three numbers in a  
row by selecting two addends from the Addend Board.  
They then call out the resultant sum. GAM  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 (R)  
C2c

- 144-10 MATHNET-CASE OF THE MISSING BASEBALL-4 10:10 7:42  
 The Mathnetters determine the worth of stolen gold bars as they piece together a picture of the man who may have stolen the house. They also use a map to determine the range a helicopter could fly.  
 GOAL 1:A B GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B4 G4 C3 (R)  
 B5 C1a C2c C3a B5
- 145- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 145- 2 SHOW REMAINDER 1 (\_\_\_ OVER \_\_\_ TO COME) 17681 :09  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 (-)
- 145- 3 PHONEYMOONERS: AT THE LODGE 16010 5:19  
 Alph and Throckmorton create a Venn Diagram to see where they overlapped in buying groceries for the annual Raccoon Hamburger Fry. STU  
 GOAL 1:A C GOAL 2:A1 A2 B3 D1 C1b GOAL 3:F6 C4 (R)  
 C2a C4a
- 145- 4 FORESTRY V: LINEAR PROGRAMMING 12665 3:06  
 Sybil Sawyer, Hollywood Reporter, meets with people in the furniture-making plant who must figure out the best use of the wood. They must increase wood used and decrease wood wasted. LAF  
 GOAL 1:A GOAL 2:A1 B4 B6 D1 D2 GOAL 3:C3 C2 G6 (R)  
 D4 C4
- 145- 5 OOPS! RULER 16780 1:11  
 A confused character causes a great accident when he fails to line up his ruler properly. STU  
 GOAL 1:A GOAL 2:A1 A2 B3 D1 GOAL 3:C2 (R)

145- 6	(COSMIC CARPETS) LEAD IN -0-	11981	:06 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)
145- 7	COSMIC CARPETS A customer almost buys too much carpet when she mistakenly divides an L-shaped model of her living room into overlapping rectangles to figure out the area of the room.	11980	3:31 STU
	GOAL 1:A C      GOAL 2:A1 A3 B4 D1 C1a C4a	GOAL 3:C4 C2 G4 G6	(R)
145- 8	(SQUARE SONG) DISCLAIMER -0-	16540	:12 BUM
	GOAL 1:-0-      GOAL 2:-C-	GOAL 3:-0-	(-)
145- 9	SQUARE SONG This song deals with the geometrical properties of squares. Computer graphics aid greatly in illustrating the geometry of a square.	13620	2:32 SON
	GOAL 1:A B C      GOAL 2:-0-	GOAL 3:G6	(X)
145-10	(BLACKSTONE) LEAD-IN & TAG -0-	15540	:09 BUM
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:-0-	(-)
145-11	BLACKSTONE: FACE-UP, FACE-DOWN Blackstone gives the spectator 10 cards - 5 up, 5 down. He shuffles, returns them to the deck, divides the deck in half behind his back, and returns with the same number of cards face up in each hand.	15532	2:58 STU
	GOAL 1:-0-      GOAL 2:-0-	GOAL 3:B3	(X)
145-12	POS VS. NEG JOUSTS: TAKING A BREAK When one "positive" clay-mation creature suddenly appears amongst 12 "negative" clay-mation creatures, 11 "negative" creatures remain.	15293	:24 ANI
	GOAL 1:A      GOAL 2:-0-	GOAL 3:A6 B1	(X)

145-13 MATHNET-CASE OF THE MISSING BASEBALL-5 10760 6:41  
 The Mathnetters use a floorplan to successfully locate the missing baseball. NET  
 GOAL 1:-0- GOAL 2:A1 B1 C1a C3b GOAL 3:G4 G6 (R)

- 146- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 146- 2 PHONER: SQ. OF A 2-DIGIT NO. ENDING IN 5 15980 :3:01  
Arthur has a one-sided telephone in which he learns  
an easy short-cut for squaring any 2-digit number  
ending in 5: just multiply the first digit by one  
more than itself and put '25' to the right of it  
STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:D2 B1 (X)
- 146- 3 (BROADWAY) LEAD IN 12531 :04  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 146- 4 BROADWAY 12530 6:05  
Melody Tapshoes dances into the head of H.H. Biggs,  
Broadway producer, when she belts out a number about  
Square Number patterns.  
STU  
GOAL 1:B C GOAL 2:-0- GOAL 3:B2 D2 G6 B1 (X)
- 146- 5 BUREAU OF MISSING NUMBERS: 36 15920 2:05  
Terry Ryan, an investigator, takes information  
pertaining to the number 36 and inputs this  
information into her computer. These characteristics  
include factors, whether it is square or triangular,  
etc  
STU  
GOAL 1:A GOAL 2:A1 B3 B4 C1c C2c GOAL 3:B2 B1 A4 (R)
- 146- 6 SQUARE DANCE 13540 :55  
This animation shows square numbers of dots arranging  
themselves into square arrays - all to a square dance  
tune.  
ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:D2 B2 G6 G2 (X)

- 146- 7 PERFECT SQUARES 13140 3:25  
A blues band sings about square numbers and SON  
graphically suggests their connection to geometry.
- GOAL 1:A C GOAL 2:-0- GOAL 3:B2 B1 (X)
- 146- 8 MAP, THE 14050 1:27  
An older boy and his little brother use a map scale IAF  
to estimate distance and travel time.
- GOAL 1:A C GOAL 2:A1 A3 B2 B3 B4 GOAL 3:G4 C3 B1 (R)  
D1 C1a
- 146- 9 MATHNET:PROBLEM OF THE PASSING PARADE-1 11011 9:51  
In anticipation of a rock star's visit, the NET  
Mathnetters calculate how much time a parade will  
take, estimate crowd size, and approximate the number  
of officers needed for crowd control.
- GOAL 1:A GOAL 2:A1 A2 B2 B3 B4 GOAL 3:B4 B1 B5 (R)  
B6 D1 C1a C2c G4
- 147- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 147- 2 MATHEMATICS R US: ROUNDING 15260 2:28  
Smilin' Al offers his customers a deal on rounding STU  
numbers to the nearest tenth. Satisfied customers  
also give testimonials as to the wonderful job Math R  
Us has done on rounding numbers for them.
- GOAL 1:A C GOAL 2:-0- GOAL 3:B4 D1 A4 (X)
- 147- 3 STICK SQUARES - 1 13951 :25  
Alison Smith uses toothpicks to make a square that is STU  
divided into 9 smaller squares and asks the audience  
how many squares there are in all.
- GOAL 1:C GOAL 2:A1 B4 D1 D2 C1e GOAL 3:G6 (R)  
C4a

- 147- 4 ROUND IT OFF 14540 3:02  
The cast sings a country and western tune that deals with the importance of rounding numbers. SON  
GOAL 1:C GOAL 2:-0- GOAL 3:B4 (X)
- 147- 5 ARTIST'S LICENSE 15370 2:40  
When an artist wants to make a Big Statement, he sees that doubling the dimensions of his rectangular canvas, quadruples the the area. STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:C2 D2 (X)
- 147- 6 AREA (6 X 8) 12840 1:10  
This animation illustrates the area of a rectangle whose dimensions are 6 and 8. ANI  
GOAL 1:-0- GOAL 2:-0- GOAL 3:C2 (X)
- 147- 7 FIVE-NINETEEN BLUES 16170 1:20  
This song shows that you can round off a lot of numbers but not the time the train leaves. LAF  
GOAL 1:A C GOAL 2:-0- GOAL 3:B4 (X)
- 147- 8 VO: DON'T DESPAIR 17323 :06  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 147- 9 BUT WHO'S COUNTING: 10 15750 6:26  
Contestants arrange 5 randomly chosen digits into 2-digit and 3-digit numbers in an attempt to form the largest possible product. To play, they must apply some knowledge of place value and probability. GAM  
GOAL 1:A C GOAL 2:A1 B4 B5 D1 D2 GOAL 3:A2 D1 F4 (R)  
C1b C2c



- 147-10 MATHNET: PROBLEM OF THE PASSING PARADE-2 11012 9:07  
 In their attempt to find a kidnapped rock star, the Mathnetters tip a bottle with liquid in it to NET  
 recreate a mountain's angle of incline. They also  
 use musical beats to keep track of time.  
 GOAL 1:A C GOAL 2:A1 B1 B2 B3 B6 GOAL 3:C3 G6 G4 (R)  
 Cle C2c
- 148- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 148- 2 MATHMAN: FACTORS OF 24 15610 1:27  
 Mathman plays a video game in which he must eat only ANI  
 factors of 24.  
 GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 148- 3 BUT WHO'S MULTIPLYING: 2 16801 5:37  
 Two contestants attempt to cover three numbers in a GAM  
 row by selecting factors of these numbers from the  
 Factor Board and calling out the resultant products.  
 GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R)  
 C2c F4
- 148- 4 OOPS! MULTIPLICATION 603 X 7 16600 1:13  
 A confused character forgets that any number STU  
 multiplied by zero is zero and makes a mistake in  
 multiplying 603 x 7.  
 GOAL 1:A GOAL 2:A1 A2 B4 GOAL 3:B1 (R)
- 148- 5 WARNING 6 (WILD) 17586 :15  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 148- 6 BIRTHDAY PARTY 14290 2:07  
 At a company board meeting, Artur talks about a birthday party to which he has invited 56 people. STU  
 Arthur says that his mom, the president, does not know how many people will be at each of the 7 tables  
 GOAL 1:A C GOAL 2:A1 B4 GOAL 3:B1 (R)
- 148- 7 VO: HOW MUCH LEFT 17293 :06  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 148- 8 JENNY DIDN'T CALL 13260 2:30  
 This song establishes a telephone calling pattern between Jenny and Jim. The graphics illustrate the pattern that emerges. SON  
 GOAL 1:A C GOAL 2:C3a C4a GOAL 3:D2 (R)
- 148- 9 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 148-10 BLACKSTONE: MAGIC SOCIAL SECURITY NUMBER 13440 2:39  
 Blackstone has the spectator multiply the number 142857 by any number between 1-6. He can always STU  
 predict the answer because it will always be a cyclic permutation of 142857.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 148-11 EB: NUMBER PATTERN/BLACKSTONE 17230 :32  
 This short animation illustrates how the number 142857 is a cyclic number. ANI  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 (-)

- 148-12 MATHNET: PROBLEM OF THE PASSING PARADE-3 11013 10:06  
 As they gather clues to the kidnapping case, the Mathnetters attempt to decode a message, use a car registration database, and measure the width and tread of a car tire. NET
- GOAL 1:A C GOAL 2:A1 A2 B1 B3 C1b GOAL 3:C2 (R)  
 C2c C3a C4b
- 149- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 149- 2 MATHEMATICS R US: FUNCTION MACHINE 12210 3:48  
 Smilin' Al offers a Function Machine. He demonstrates the 'minus 3' function and drops the price from \$15 to \$12 to \$9 to \$6 to \$3 before a customer does him one better and walks off with the machine. STU
- GOAL 1:A C GOAL 2:-0- GOAL 3:D2 (X)
- 149- 3 MATHMAN: MULTIPLES OF 3 15630 1:21  
 Mathman plays a video game in which he must eat only multiples of 3. ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 149- 4 DOIN' NOTHIN I 14271 1:00  
 In this split-screen format, a farmer draws on about how multiplying or dividing a number by 1 does not change that number. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 149- 5 MATHMAN: EXTRA SHORT 15660 :27  
 Before Mathman can begin his video game, Mr. Glitch eats him. ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:-0- (X)

- 149- 6 CELEBRITY KITCHEN 14070 6:41  
Celebrity Kitchen visits Superguy who demonstrates  
his function machine that helps him figure out how  
many eggs he needs for his cakes. STU
- GOAL 1:A C GOAL 2:A1 B2 B4 D4 C1b GOAL 3:D2 B1 A4 (R)  
A3
- 149- 7 DOIN' NOTHIN II 14272 1:06  
In this split-screen format, a farmer draws on about  
how adding or subtracting zero from any number does  
not change that number. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 149- 8 NEWSROOM INTERRUPT: 31 (WILD) 16930 :07  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- )
- 149- 9 CABOT & MARSHMALLOW: SQ.PEGS IN RD.HOLES 14810 1:56  
Cabot explains the concept of rotational symmetry to  
Marshmallow by demonstrating how round and square  
pegs fit in a round or square hole in any direction.  
An odd shaped peg will go in only one way. STU
- GOAL 1:A GOAL 2:A1 B3 B4 D4 C1e GOAL 3:G2 (R)  
C2a
- 149-10 (NINES INTRO) LOGO 17530 :08  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 149-11 NINES 15870 2:34  
The cast sings a country music tune expressing the  
idea that the sum of the digits of any multiple of 9  
always add up to 9 or a multiple of 9. SON
- GOAL 1:B C GOAL 2:-0- GOAL 3:B2 D2 B1 (X)

SQUARE ONE TV: WEEK 10

- 149-12 EB: ROTATIONAL SYMMETRY #1 16430 :23  
 This short animation uses a star to illustrate the  
 concept of rotational symmetry. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G2 (-)
- 149-13 MATHNET:PROBLEM OF THE PASSING PARADE-4 11014 7:21  
 In trying to decode Stringbean's musical message, the  
 Mathnetters recognize that each note of the message  
 corresponds to a tone/number on a touch-tone phone. NET
- GOAL 1:A C GOAL 2:A1 A2 B1 B3 C4a GOAL 3:-0- (R)  
 C4b
- 150- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 150- 2 I LOVE LUPY: LICORICE - 1 13821 4:21  
 In order to keep her job at the Licorice Factory,  
 Lupy must divide a 24" strand into 5" and 7" ones  
 with minimal waste. A 5" strand gives her 19" left  
 over, and a 7" leaves her with 17" of waste. STU
- GOAL 1:A C GOAL 2:A1 A2 B3 B4 B6 GOAL 3:C2 B1 B2 (R)  
 D1 C1e C4a
- 150- 3 POS VS. NEG JOUSTS: STRAIGHT AHEAD 15291 :31  
 When seven 'negative' clay-mation creatures attack  
 five 'positive' clay creatures, two 'negative'  
 creatures remain. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 150- 4 I LOVE LUPY: LICORICE - 2 13822 4:39  
 Lupy makes several more unsuccessful attempts to  
 efficiently divide the licorice and must conceal the  
 waste from Mr. Dinkstein. Finally, she divides the  
 24" strand into 2 5-inchers and 2 7-inchers. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 150- 5 SUGAR RAY SKETCH 14770 4:32  
 Battling for the Doggy Weight Championship, Sugar Ray  
 Leonard figures out the weight of a dog by picking up  
 the dog, weighing their total, and then subtracting  
 his weight. STU
- GOAL 1:A C GOAL 2:A1 A2 A3 B3 B4 GOAL 3:C2 B1 (R)  
 D1 D3 C1e C4a
- 150- 6 THINK ABOUT THE PROBLEM 16990 2:56  
 This song offers advice to a boy who is confused  
 about which bike to buy. The music video stresses  
 stepping back from a problem and looking at it from  
 another angle. SON
- GOAL 1:A C GOAL 2:A1 A2 B3 C1e C4a GOAL 3:D1 (R)
- 150- 7 MATHNET:PROBLEM OF THE PASSING PARADE-5 11015 9:01  
 The Mathnetters successfully solve the problem and  
 rescue Steve Stringbean. NET
- GOAL 1:A B GOAL 2:A1 B1 B3 C2c GOAL 3:D2 F4 (R)

- 151- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 151- 2 BUT WHO'S COUNTING: 8 15730 7:16  
Contestants arrange 5 randomly chosen digits to  
create a 3 digit minus 2 digit subtraction problem.  
The largest difference wins. Contestants must apply  
some knowledge of place value and probability. GAM  
GOAL 1:A C GOAL 2:A1 B4 B5 D1 D2 GOAL 3:A2 D1 F4 (R)  
C1b C2c
- 151- 3 PERSON ON THE STREET: PENTOMINO 13005 :57  
The Person on the Street Interviewer asks several  
people if they can define what a pentomino is. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 151- 4 JOKE IN THE BOX 14330 2:27  
Cynthia stands at an assembly line, attempting to  
make open-topped boxes from different pentominoes. STU  
Some work, some don't -- but, at least, she's  
rewarded with a snack at the end.  
GOAL 1:A C GOAL 2:A1 B4 B6 GOAL 3:G6 G1 (R)
- 151- 5 PENTOMINOES 12860 1:33  
This animation illustrates the 12 possible  
arrangements a pentomino can have. ANI  
GOAL 1:A B GOAL 2:-0- GOAL 3:G2 G6 (X)
- 151- 6 LOGO 12 GENERIC (BEV) 17440 :07  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

SQUARE ONE TV: WEEK 11

- 151- 7 REALLY GROSS PROFIT 15520 3:16  
 Frank Loyd Wrong and Igor discuss how much money  
 their restaurant has brought in, before they realize  
 that they must pay bills that will leave them with a  
 profit of 1 penny. STU
- GOAL 1:A C GOAL 2:A1 B1 B4 D1 C2c GOAL 3:B1  
 C3b (R)
- 151- 8 PERPENDICULAR LINES 14120 2:05  
 This rock video, colorized with computer graphics,  
 illustrates the various places we find perpendicular  
 lines in the world. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (X)
- 151- 9 MATHNET:TRIAL OF GEORGE FRANKLY-1 11021 8:35  
 The Mathnetters use a computer to access George's  
 bank records - in a futile attempt to prove that he  
 did not deposit the money he had allegedly stolen. NET
- GOAL 1:-0- GOAL 2:A1 B3 GOAL 3:-0- (R)
- 152- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 152- 2 MIKE MERV SHOW 13070 4:29  
 Mike Merv Show interviews Ali Haji-Sheikh, an NFL  
 place-kicker, who demonstrates the angles and  
 parabolas involved in kicking a football. STU
- GOAL 1:A C GOAL 2:A1 C1e C4a GOAL 3:G6 F6 (R)
- 152- 3 AVERAGE AMERICAN 10220 2:16  
 In this song, Larry sings about the statistical  
 averages for various American habits to show Cynthia  
 just how much of an "Average American" he is. SON
- GOAL 1:C GOAL 2:-0- GOAL 3:F2 (X)



- 152- 4 (BLACKSTONE) LEAD-IN & TAG  
-0- 15540 :09  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 152- 5 BLACKSTONE: THE ELIMINATION GAME 13441 2:55  
With an even number of cards on the table, Blackstone  
and a guest successively cover 2 cards, choosing 1 to  
eliminate. Blackstone never covers or points to the  
predicted card, so it stays on the table  
STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 (X)
- 152- 6 MATHMAN: EVEN NUMBERS 15590 :58  
Mathman plays a video game in which he must eat only  
even numbers.  
ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)
- 152- 7 LIFE RAFT 14160 3:30  
Regardless of how many people there are on a  
liferaft, if there are zero biscuits, everyone will  
receive zero biscuits - because zero divided by any  
number is zero.  
STU  
GOAL 1:A C GOAL 2:A1 B4 D1 D4 GOAL 3:B1 (R)
- 152- 8 EB: MULTIPLY BY ZERO 16310 :40  
This short animation illustrates the idea that any  
number multiplied by zero is zero.  
ANI  
GOAL 1:-0- GOAL 2:-0- GOAL 3:B1 A1 (-)
- 152- 9 RAPPIN' JUDGE 14740 2:40  
A judge raps his decision that a girl on a skateboard  
could not have committed the crime because she could  
not have travelled 8 miles in 2 hours if she were  
only going 3 miles per hour.  
STU  
GOAL 1:A C GOAL 2:A1 B1 B3 B4 D1 GOAL 3:B5 C2 B1 (R)  
Cla

SQUARE ONE TV: WEEK 11

152-10 MATHNET: TRIAL OF GEORGE FRANKLY-2

11022

In their on-going attempt to clear George's name, the Mathnetters compute mileage according to an odometer and estimate distance using rate and time.

8:52  
NET

GOAL 1:A

GOAL 2:A1 B1 B2 B3 B4  
C1a C4a C4b

GOAL 3:B4 B5 C2 (R)

153- 1 SHOW OPEN

-0-

15950

:46  
BUM

GOAL 1:-0-

GOAL 2:-0-

GOAL 3:-0-

(-)

153- 2 WILLY GLUTTON BANK ROBBER

13730

Because Willy Glutton and Itchy must physically divide up \$52,620 among 5 people, they keep on returning to the teller they held up earlier to get change.

7:56  
STU

GOAL 1:A C

GOAL 2:A1 A2 B4 D1 C1e  
C2c

GOAL 3:A2 B1 A1 (R)

153- 3 SHOW REMAINDER 3

-0-

17702

:12  
BUM

GOAL 1:-0-

GOAL 2:-0-

GOAL 3:A4

(-)

153- 4 YOU CAN COUNT ON IT

This song presents various ways that math shows up in the world.

16680

1:58  
SON

GOAL 1:A C

GOAL 2:-0-

GOAL 3:C1

(X)

153- 5 BUT WHO'S MULTIPLYING: 11

Two contestants attempt to cover three numbers in a row by selecting factors of these numbers from the Factor Board - and calling out the resultant product.

16940

4:35  
GAM

GOAL 1:A C

GOAL 2:A1 B4 B6 C1b C1c  
C2c

GOAL 3:B1 B2 D1  
F4

(R)

- 153- 6 EB: TETRAHEDRON 16420 :25  
 This short animation illustrates how 4 triangles fold up into a tetrahedron. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G1 G6 (-)
- 153- 7 ZERO PACS 14570 2:14  
 In this mock commercial, Geraldine Jip offers the Jip Miracle Zero, a device that enables one to multiply by 10 by shifting all the digits of that number to the left and tacking on the Miracle Zero. STU
- GOAL 1:A C GOAL 2:-0- GOAL 3:A2 B1 (X)
- 153- 8 MATHNET:TRIAL OF GEORGE FRANKLY-3 11023 9:24  
 The Mathnetters search a database for all the people George has arrested. They cannot find two who borke into a bank's computer system and manipulated the decimal points of their account balances. NET
- GOAL 1:A C GOAL 2:A1 B1 B3 B4 GOAL 3:F4 A2 (R)
- 154- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 154- 2 (BOBOS DILEMMA) LEAD IN 15411 :07  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 154- 3 BOBO'S DILEMMA 15410 3:56  
 Bobo, the circus clown, has two 6 1/2' boards, but he must travel 7' from the rim of the ring to the center - and the boards can't touch the ground. A bit of creative problem-solving saves the day. STU
- GOAL 1:A B C GOAL 2:A1 A2 A3 C1e C3C GOAL 3:G6 C2 (R)  
 C4a

SQUARE ONE TV: WEEK 11

- 154- 4 PERSON ON THE STREET: PALINDROME 13008 1:22  
The Person on the Street Interviewer asks several LAF  
people if they know what a palindrome is.
- GOAL 1:C GOAL 2:-0- GOAL 3:A2 (X)
- 154- 5 IT'S A PALINDROME 14110 2:53  
A tango dance serves as the backdrop for a song about SON  
the definition and generation of palindromes --  
numbers that read the same backwards and forwards.
- GOAL 1:C GOAL 2:-0- GOAL 3:A2 (X)
- 154- 6 EB: PALINDROME 16320 :35  
This short animation illustrates how to make any ANI  
two-digit number into a palindrome; simply reverse  
the digits and add and repeat this process until the  
sum is a palindrome.
- GOAL 1:C GOAL 2:-0- GOAL 3:A2 D2 B1 (-)
- 154- 7 GROANING WALL V/B'STONE (PT 3 OF 3 PTS) 11875 :47  
Harry Blackstone and the cast tell each other riddles STU  
that have a mathematical theme.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 154- 8 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 154- 9 BLACKSTONE: THE MAGIC SPELLS 15538 3:08  
A spectator cuts the deck, counts the number of STU  
cards, adds the two digits of the answer together,  
counts the number from the bottom and remembers the  
card. After a 19-letter spell, the card appears.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B2 (X)

- 154-10 POS VS. NEG JOUSTS: THE ABYSS 15296 :30  
When three "negative" clay-mation creatures confront three "positive" clay creatures, no clay creatures remain. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 154-11 MATHNET:TRIAL OF GEORGE FRANKLY-4 11024 13:26  
The pilot who allegedly flew George off the island to rob the bank uses arithmetic to prove that George had the time to commit the crime. Much to George's surprise, the pilor also identifies him. NET
- GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B1 (R)
- 155- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 155- 2 KING FOR A DAY 11260 5:49  
When a king wants to divide his trapezoidally-shaped country into 3 pieces--2 of which are the same size but smaller than the third--he cuts off a triangle from each side, leaving a large rectangle. STU
- GOAL 1:A C GOAL 2:A1 B6 C1e C2c GOAL 3:G6 (R)
- 155- 3 SHOW REMAINDER 4 ( GONE TO COME) 17711 :10  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 (-)
- 155- 4 MATHMAN: MULTIPLES OF 4 15640 1:15  
Mathman plays a video game in which he must eat only multiples of four. ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 155- 5 PERSON ON THE STREET: QUADRILATERALS 13009 1:09  
The Person on the Street Interviewer asks several people if they know what a quadrilateral is. LAF
- GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (X)

SQUARE ONE TV: WEEK 11

- 155- 6 AN INTERESTING GAME OF FOOTBALL 14370 2:55  
 In this animation, the small kids defeat the big kids  
 at football by always choosing the largest goal line  
 on the irregularly-shaped playing field. ANI
- GOAL 1:A B C GOAL 2:A1 B3 D4 C1b C3c GOAL 3:C2 C3 G6 (R)  
 G4
- 155- 7 EB: QUADRILATERALS (2ND VERSION) 16361 :20  
 This short animation illustrates a variety of ANI  
 different quadrilaterals.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:G6 (-)
- 155- 8 FRACTION RAP, THE 16710 2:40  
 Larry and Reg rap about fractions. SON
- GOAL 1:A C GOAL 2:A1 A3 B4 D4 GOAL 3:A3 B1 (R)
- 155- 9 ELEPHANTS IN PENS 15840 1:40  
 Two cavemen try to figure out how to put 11 elephants ANI  
 in 4 pens - so that there is an odd number in each  
 pen.
- GOAL 1:A C GOAL 2:A1 A2 A3 B4 B6 GOAL 3:B3 C4 (R)  
 D1 D3 C1e C4a  
 C4b
- 155-10 STATION PROMO (CYNTHIA) 14269 :05  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 155-11 MATHNET: TRIAL OF GEORGE FRANKLY-5 11025 9:30  
 Kate proves that George could not possibly have left NET  
 the island and committed the crime because weather  
 conditions would not have allowed the plane to  
 maintain its usual speed.
- GOAL 1:A B GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B5 (R)  
 C1a C1e C4a C4b

- 156- 1 SHOW OPEN  
-0-  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0-  
15950 :46  
BUM  
(-)
- 156- 2 SPADE PARADE: FISHY ANCHOVY - 1  
Georgia McBundy hires Spade Parade to determine which one of the Andrews Brothers robbed her burger restaurant.  
15891 :4:55  
STU  
GOAL 1:A C GOAL 2:A1 B1 B3 C1c C2c GOAL 3:F6  
C3b (R)
- 156- MORE THAN ONE WAY  
This song takes a group of children on a camping trip and encourages different approaches to solving problems.  
17000 :2:39  
SON  
GOAL 1:A C GOAL 2:B3 D3 D4 C1a C1b GOAL 3:-0-  
C2b (R)
- 156- 4 SPADE PARADE: FISHY ANCHOVY - 2  
Spade Parade draws a chart and uses logic to determine which Andrews brother is which. He next determines that the brother who eats anchovies stole the money.  
15892 :2:42  
PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0-  
(-)
- 156- 5 MATHMAN: FACTORS OF 18  
Mathman plays a video game in which he must eat all numbers that are factors of 18.  
15570 :1:12  
ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B2  
(X)
- 156- 6 GYPSY ROSE AMICABLE  
A fortune teller determines that a young man and woman will share happiness because the numbers of their street addresses, 220 and 284, are amicable: the factors of each number add up to the other.  
13300 :4:12  
STU  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 B1  
(X)

SQUARE ONE TV: WEEK 12

156- 7	VO: DON'T DESPAIR -0-	17323	:06 BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
156- 8	STICK SQUARES - 3 Alison Smith demonstrates toothpick square tricks to the viewing audience.	13953	:41 STU
	GOAL 1:C	GOAL 2:A1 B4 D1 D2 C1e C4a	GOAL 3:G6 (R)
156- 9	EB: PRIME COW #11 This short animation illustrates the concept of prime numbers -- using 11 cows.	17150	:30 ANI
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:B2 G6 (-)
156-10	(BLACKSTONE) LEAD-IN & TAG -0-	15540	:09 BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
156-11	BLACKSTONE: CUPS Blackstone performs a magic trick with cups and balls before demonstrating a logic problem that depends on parity and observation. The point is to turn over 2 cups at a time, ending with 3 face up.	10371	3:05 STU
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:B3 (X)
156-12	MATHNET:PROBLEM OF THE DIRTY MONEY-1 The Mathnetters investigate three reports of dump trucks mysteriously disappearing and reappearing before they realize that what is being stolen is the dirt!	11051	6:35 NET
	GOAL 1:-0-	GOAL 2:A1 C2a C4b	GOAL 3:-0- (R)
157- 1	SHOW OPEN -0-	15950	:46 BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)



- 157- 2 SCALES ON THE BRAIN - 1 13471 3:23  
 A patient overreacts when he views a magnified  
 version of his dandruff because he fails to account  
 for the change in scale. STU  
 GOAL 1:A C GOAL 2:A1 B4 C1b C2a GOAL 3:G4 B5 A3 (R)
- 157- 3 DRAW A MAP 16690 2:14  
 In order for Luisa to reach Arthur's house, he gives  
 her instructions to make a map. He includes  
 significant landmarks and uses a scale where 1 inch  
 equals 1 mile. SON  
 GOAL 1:A C GOAL 2:A1 B1 B3 C1a GOAL 3:G4 G4 C2 (R)
- 157- 4 SCALES ON THE BRAIN - 2 13472 1:22  
 In gratitude for the doctor's work, the patient wants  
 to shake his hand 1000 times. Wary of the time  
 involved, the doctor decides on a ratio where 1  
 handshake represents 500 shakes. PAR  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 157- 5 BUT WHO'S MULTIPLYING: 12 16941 5:33  
 Two contestants attempt to cover three numbers in a  
 row by selecting factors of these numbers from the  
 Factor Board and calling out the resultant product. GAM  
 GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R)  
 C2c F4
- 157- 6 GINGERMAN SKETCH 12480 4:03  
 Four gentlemen go to lunch where the bill is \$24.00.  
 Since two of them do not have enough money, the other  
 two pick up the difference. They must figure out who  
 owes what to whom. STU  
 GOAL 1:A C GOAL 2:A1 B4 D1 D3 C2c GOAL 3:B1 F2 (R)
- 157- 7 SODA SHOPPE 16100 :50  
 Two customers use an easy way to compute a ten  
 percent tip, which they then round up to the nearest  
 ten cents. LAF  
 GOAL 1:A C GOAL 2:A1 A2 B2 B4 GOAL 3:A5 A4 B4 (R)

- 157- 8 MATHNET:PROBLEM OF THE DIRTY MONEY-2 11052 9:24  
 At the diner, the Mathnetters multiply to figure out tax. They also discover a pattern in the numbers of the stolen vehicles. They use a map and compass to chart the possible distance & route. NET
- GOAL 1:A B GOAL 2:A1 B1 B2 E3 B4 GOAL 3:A9 A3 G4 (R)  
 C1a C1d C3a C4a B5 A5
- 158- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 158- 2 (CALLOUS-SURVEY) NEWSROOM INTERRUPT:30 15464 :20  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 158- 3 CALLOUS: THE SURVEY - 1 15461 2:06  
 The bar chart sales chart for Callous Candy Gum Drops show that the candy is not selling in J.B's hometown, and he wants to find out why. STU
- GOAL 1:A C GOAL 2:A1 A2 A3 B1 B2 GOAL 3:F5 F6 A5 (R)  
 B3 B4 D1 C1c C1d F4  
 C4a
- 158- 4 DATA HEADACHE I 14311 1:10  
 A woman uses a bar chart to organize her monthly expenses and rid herself of a data headache. STU
- GOAL 1:A GOAL 2:-0- GOAL 3:F6 (X)
- 158- 5 CALLOUS: THE SURVEY - 2 15462 3:57  
 Sue Becky surveys the Women's Sewing Circle to determine why the Callous Candy Gum Drops are not selling - but J.B tells her that the sample is not fair because there were no men or children involved. PAR
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 158- 6 DATA HEADACHE II 14312 1:32  
A cab driver uses a pie chart to organize his  
business expenses and rid himself of a data headache. STU  
GOAL 1:A GOAL 2:-0- GOAL 3:F6 (X)
- 158- 7 CALLOUS: THE SURVEY - 3 15463 2:57  
Sue Becky talks to a random sample of people and  
discovers that 58% of the people think that the gum  
drops are too sweet and sugary - because the town was  
founded by dentists. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 158- 8 (MATHMAN FACTORS OF 12) LOGO 17800 :10  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 158- 9 MATHMAN: PERCENTAGES LESS THAN 1/2 15720 1:13  
Mathman plays a video game in which he eats  
percentages less than 1/2. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:A5 D1 (X)
- 158-10 SMOKESTACKS GO BOOM 12310 1:50  
In this live action film, a character starts out with  
3 smokestacks. The smokestacks explode one at a time;  
and he is left with 2/3, and then 1/3, and then 0/3  
the number he began with. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:A3 (X)
- 158-11 SHOW REMAINDER 4 (\_\_\_\_GONE \_\_\_\_TO COME) 17711 :10  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:A5 (-)
- 158-12 COUNTING THE ELEPHANTS 15830 1:09  
In this animation, a caveman uses a broken line graph  
to chart the number of elephants he sees each week. ANI  
GOAL 1:A C GOAL 2:A1 B3 D1 C1d GOAL 3:F5 F6 (R)

SQUARE ONE TV: WEEK 12

- 158-13 GRAPH OF LOVE 11700 2:58  
Beverly uses a broken line graph to rate her  
boyfriend from September to May. SON
- GOAL 1:A C GOAL 2:-0- GOAL 3:F6 D1 (X)
- 158-14 DATA HEADACHE III 14310 1:10  
A corporate executive uses a line graph to organize  
her expenses and rid herself of a data headache. STU
- GOAL 1:A GOAL 2:-0- GOAL 3:F6 (X)
- 158-15 MATHNET:PROBLEM OF THE DIRTY MONEY-3 11053 6:02  
The Mathnetters discover that a famous bank robber  
once lived in the house that previously sat atop the  
land from where the dirt was stolen. NET
- GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 159- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 159- 2 (DUELIST) LEAD IN 14561 :06  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 159- 3 DUELISTS, THE 14560 5:54  
Using a grid of the area, two knights try to figure  
out all the possible meeting points half-way between  
their two castles in order to avoid having to go out  
and fight the duel. STU
- GOAL 1:A C GOAL 2:A1 B4 D2 C1e C3a GOAL 3:G4 C1 G6 (R)
- 159- 4 PHONER: CONSECUTIVE ODD NUMBERS 15990 2:04  
Arthur has a one-sided conversation in which he  
discovers that if he begins with one, the sum of  
consecutive odd numbers will always equal a square  
number. STU
- GOAL 1:A C GOAL 2:-0- GOAL 3:B3 B2 B1 (X)

- 159- 5 SHAPE UP 15310 2:08  
Punning on gemetric terms, this music video  
illustrates geometric shapes in this song about  
betrayed love. SON
- GOAL 1:C GOAL 2:-0- GOAL 3:G6 (X)
- 159- 6 (BUT WHO'S COJNTING T.S.) LOGO 17540 :07  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 159- 7 BUT WHO'S COUNTING: 3 12113 6:52  
Contestants arrange 6 randomly chosen digits to  
create a 3 digit plus 3 digit addition problem. The  
largest sum wins. Contestants must apply some  
knowledge of place value and probability to play. GAM
- GOAL 1:A C GOAL 2:A1 B4 D2 C1b C2c GOAL 3:A2 D1 F4 (R)
- 159- 8 POP UP BOOK 16230 1:35  
As a result of some computer graphics wizardry, a  
3-dimensional tourist discovers that he is touring a  
2-dimensional city in a pop-up book. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:G1 (X)
- 159- 9 MATHNET:PROBLEM OF THE DIRTY MONEY-4 11054 7:56  
The Mathnetters do an analysis of the soil from the  
Abandoned Gravel Pits and that of Mailbag's back  
yard. They also determine that the footprints at the  
Pits and in Mailbag's garden are the same. NET
- GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 160- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

SQUARE ONE TV: WEEK 12

- 160- 2 POS VS. NEG JOUSTS: TAKING A BREAK 15293 :24  
 When one "positive" clay-mation creature suddenly appears amongst 12 "negative" clay-mation creatures, 11 "negative" creatures remain. ANI
- GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 160- 3 LESS THAN ZERO 14150 2:05  
 This song presents a diving, dance, skating, and hammer-throw competition to show arithmetic realizations of negative numbers. SON
- GOAL 1:C GOAL 2:-0- GOAL 3:A6 D1 (X)
- 160- 4 MILLION DOLLAR GIVEAWAY 13501 5:04  
 Jed Clampon decides to give away \$1,000,000 in \$50 increments to 20,000 people. He determines that the line will stretch over 7 1/2 miles, and people at the end will have to stand more than 2 days. STU
- GOAL 1:A C GOAL 2:A1 B4 C4a GOAL 3:A1 C3 B1 C1 (R)
- 160- 5 PERSON ON THE STREET: GOOGOL 13001 :54  
 The Person on the Street Interviewer asks a variety of people what a googol is. LAF
- GOAL 1:C GOAL 2:-0- GOAL 3:A1 (X)
- 160- 6 GOOGOL 16110 :53  
 Moon Unit Zappa discusses being presented with a number: one googol. LAF
- GOAL 1:C GOAL 2:-0- GOAL 3:A1 B1 (X)
- 160- 7 (BLACKSTONE: MOVE THE CLIP INTRO) LOGO 17560 :05  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 160- 8 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

160- 9 BLACKSTONE: MOVE THE CLIP

15539

Blackstone correctly identifies the number of paper clips that have been moved as he notes the new position of the one clip that is oriented opposite the others.

2:48  
STU

GOAL 1:-0-

GOAL 2:-0-

GOAL 3:G2

(X)

160-10 GROANING WALL III/CEL

11873

Freddy Kohler and the cast tell each other riddles that have a mathematical theme.

2:51  
STU

GOAL 1:-0-

GOAL 2:-0-

GOAL 3:-0-

(X)

160-11 SET-UP (MANDRELL CONCERT)

15340

This mini-documentary addresses the problem of setting-up for a Barbara Mandrell concert. There are also interviews with crew members who must read graphs and charts to do their jobs properly.

4:23  
LAF

GOAL 1:A C

GOAL 2:-0-

GOAL 3:D1

(X)

) 160-12 MATHNET:PROBLEM OF THE DIRTY MONEY-5

11055

The Mathnetter use problem-solving skills as they re-examine their hypothesis and calculate the weight of \$1,000,000 in \$1 or \$5 bills.

8:41  
NET

GOAL 1:A

GOAL 2:A1 B1 B2 B3 B4

GOAL 3:A3

(R)

- 161- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 161- 2 PHOTOGRAPH ALL ABOUT IT 13570 4:20  
The more candidates who enter the race, the more  
difficulty Arty Poll has predicting the possible  
order of finish. He uses pictures to illustrate the  
different ways for the candidates to finish. STU  
GOAL 1:A C GOAL 2:A1 A2 B4 C1e C2a GOAL 3:E1 B1  
C3a (R)
- 161- 3 CHANGE YOUR POINT OF VIEW 16740 3:26  
In a Middle Eastern bazaar, two children meet up with  
a wizard who helps them solve the mystery of the  
hieroglyphic. He stresses looking at the problem in a  
variety of different ways. SON  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 (X)
- 161- 4 MULTI-GLOVES 16490 1:49  
This animation takes a fingerless glove and  
demonstrates the 120 ways that 5 differently colored  
fingers could be arranged. ANI  
GOAL 1:A C GOAL 2:-0- GOAL 3:E1 (X)
- 161- 5 EB: CONCENTRIC CIRCLES/FISH 14981 :16  
This short animation suggests the ripple effect in  
water and illustrates concentric circles. ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G6 (-)
- 161- 6 BUT WHO'S ADDING: 6 16815 4:39  
Two contestants attempt to cover three numbers in a  
row by selecting addends of those numbers from the  
Addend board and calling out the resultant sum. GAM  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1  
C2c (R)



- 161- 7 EB: NUMBER PATTERN #1 15030 :27  
 This short animation illustrates a number pattern  
 beginning with  $9 \times 1 + 2 = 11$  and continuing through  
 $9 \times 123456789 + 10 = 1111111111$ .  
 GOAL 1:B GOAL 2:-0- GOAL 3:D2 B1 (-)  
 ANI
- 161- 8 SHOW REMAINDER 3 17702 :12  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:A4 (-)
- 161- 9 MATHMAN: DECIMALS LESS THAN .5 15690 1:19  
 Mathman plays a video game in which he must eat only  
 decimal fractions less than .5. ANI  
 GOAL 1:C GOAL 2:-0- GOAL 3:A4 D1 (X)
- 161-10 MATHNET:MYSTERY OF THE MALTESE PIGEON-1 14081 10:18  
 George calculates a batting average. A new client  
 enters and wants them to determine how many people  
 can view the priceless Maltese Pigeon. The  
 Mathnetters use a map of the museum and do  
 arithmetic. NET  
 GOAL 1:A GOAL 2:A1 B2 B3 B4 C1a GOAL 3:B1 D1 G4 (R)
- 162- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 162- 2 SUPERGUY: FLYING DOWN TO FREEZO 13780 5:57  
 When Superguy finds himself in Freezo, he must  
 convert his dollars to droobs in order to get his  
 lightning bolt fixed. The going rate is five droobs  
 to every dollar. STU  
 GOAL 1:A C GOAL 2:A1 B4 D1 C1c C2c GOAL 3:B5 D2 B1 (R)  
 C3a

SQUARE ONE TV: WEEK 13

- 162- 3 JOHN MOSCHITA: ROBIN HOOD 17904 :60  
John Moschita speed-talks a summary of the Robin Hood story, with a living graph charting his speed. STU
- GOAL 1:A GOAL 2:-0- GOAL 3:F5 F6 B5 (X)  
D2
- 162- 4 TRANSFORMER 18050 :10  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 162- 5 PROBLEM SONG 10190 2:27  
Arthur solves the problem of how many apples he and SON  
another character can peel in 3 hours by using  
addition, multiplication, and division.
- GOAL 1:A C GOAL 2:A1 B4 C1e C2a GOAL 3:B5 A3 B1 (R)  
C2c
- 162- 6 BUT WHO'S COUNTING: 4 12114 5:32  
Contestants arrange five randomly selected digits in GAM  
an attempt to form a 2-digit and a 3-digit number  
with the largest possible sum. The players must apply  
some knowledge of place value & probability
- GOAL 1:A C GOAL 2:A1 B4 B5 D1 D2 GOAL 3:A2 D1 F4 (R)  
C1b C2c
- 162- 7 MATHNET:MYSTERY OF THE MALTESE PIGEON-2 14082 10:59  
When the Pigeon is stolen, the Mathnetters suspect NET  
Noel Nile and Kaspar Stoutman. Knowing Stoutman's  
license number, they search a DMV database to get his  
address.
- GOAL 1:-0- GOAL 2:A1 A2 B1 GOAL 3:F4 (R)
- 163- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 163- 2 CABOT & MARSHMALLOW: PROBABILITY - 1 15471 1:41  
Cabot and Marshmallow discuss the meaning of a probability of one as Marshmallow creates a situation where any outcome results in a win for Cabot. STU
- GOAL 1:C GOAL 2:A1 B1 B5 D1 C2a GOAL 3:F1 D1 (R)
- 163- 3 GREMPOD AND BLOTMO: ALIENS VISIT CHRISTY 16720 2:50  
Grempod and Blotmo, the Rigellian Aliens, offer Beverly a priceless treasure that is held in 2 of their 8 hands. Her chances of success improve because they give her 3 different tries to choose 1 hand. STU
- GOAL 1:C GOAL 2:A1 A3 B5 B6 GOAL 3:F1 A3 D1 (R)
- 163- 4 MATHMAN: ODD NUMBERS 15580 1:12  
Mathman plays a video game in which he must eat only odd numbers. ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)
- 163- 5 CABOT & MARSHMALLOW: PROBABILITY - 2 15472 2:19  
Cabot and Marshmallow discuss the meaning of a probability of zero after Cabot tricks Marshmallow by playing the shell and the pea game -- without the pea. STU
- GOAL 1:A C GOAL 2:A1 A3 B5 D1 C1e GOAL 3:F1 (R)
- 163- 6 GHOST OF A CHANCE 11950 4:20  
At a haunted house, a pizza delivery boy finds himself in several threatening situations -- each of which has a different probability of escape. SON
- GOAL 1:A C GOAL 2:A1 A2 B5 B6 GOAL 3:F1 F3 (R)
- 163- 7 (TUESDAY NOON FOOTBALL) LEAD IN 11922 :06  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 163- 8 TUESDAY NOON FOOTBALL 11921 4:50  
 When two football captains can't decide who will kick off, the referee brings out a variety of fair devices to choose in which each team has a probability of  $1/2$ .  
 GOAL 1:A C GOAL 2:B5 D1 C1b GOAL 3:F1 A3 (R)  
 STU
- 163- 9 TESSELLATION ANIMATION:QUILT 10750 1:11  
 This animation shows geometric shapes tessellating across the screen. The animated image transforms itself into a quilt with the same tessellated pattern.  
 GOAL 1:A B GOAL 2:-0- GOAL 3:G3 G6 (X)  
 ANI
- 163-10 MATHNET:MYSTERY OF THE MALTESE PIGEON-3 14083 8:19  
 When someone steals the real Maltese Pigeon from Stoutman, Noel Nile becomes the prime suspect - until he pops a hole in Maureen O'Reilly's alibi, meaning she lied about her whereabouts.  
 GOAL 1:A GOAL 2:A1 B1 C4a GOAL 3:-0- (R)  
 NET
- 164- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 164- 2 SPADE PARADE: MISSING MICHAEL ANGELO - 1 13991 4:35  
 Dee Angelo wants Spade Parade to recover her kidnapped husband. She brings him a painted message and manuscript as clues.  
 GOAL 1:A C GOAL 2:A1 A2 A3 B3 B4 GOAL 3:F4 F5 F6 (R)  
 B6 D1 C1d C2c  
 C3a C3b
- 164- 3 MATHEMATICS R US: WORDSWORTH TABLE - 1 11730 3:25  
 Smilin' Al offers his customers a deal on a Wordsworth machine that assigns different monetary values to the letters of the alphabet. Words become worth the sum of their letters' value.  
 GOAL 1:A C GOAL 2:-0- GOAL 3:D2 B1 (X)  
 STU

- 164- 4 SPADE PARADE: MISSING MICHAEL ANGELO - 2 13992 6:35  
 Spade Parade uses an alphabet frequency chart to  
 decode Michael Angelo's code and discovers that  
 Michael had been abducted by the art dealer, E.E.  
 Heep.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 164- 5 MATHEMATICS R US: WORDSWORTH TABLE - 2 11731 :13  
 Smilin' Al tells his viewers how much the word  
 'quarter' is worth.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 164- 6 DANCE OF THE GEO SHAPES: TRIANGULAR PRISM 13604 :20  
 Computer graphics illustrate and highlight a  
 triangular prism as it rotates in space.  
 GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)
- 164- 7 (SUPERSPY) PAINTBOX LEAD IN 12151 :19  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 164- 8 NEIGHBORHOOD SUPERSPY 12150 3:50  
 A super spy sings about creating a code that assigns  
 a number to each letter of the alphabet. According to  
 this code, a sequence of numbers would read as a  
 word.  
 GOAL 1:A C GOAL 2:-0- GOAL 3:D2 D1 (X)
- 164- 9 (SUPERSPY) PAINTBOX OUTRO 12152 :12  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 164-10 DANCE OF THE GEO SHAPES: HEXAHEDRON 13605 :20  
 Computer graphics illustrate and highlight a  
 hexahedron as it rotates in space.  
 GOAL 1:B GOAL 2:-0- GOAL 3:G6 G1 (X)

- 164-11 MATHNET:MYSTERY OF THE MALTESE PIGEON-4 14084 7:05  
 The Mathnetters use a database to check for names associated with the Maltese Pigeon. They then talk with an ice sculptor and surmise that the Pigeon could have been an ice sculpture that melted away. NET
- GOAL 1:A C GOAL 2:A1 B1 B2 B3 B4 GOAL 3:-0- (R)  
 C4b
- 165- 1 SHOW OPEN 15950 :46  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 165- 2 KUBRICK'S RUBE 15250 2:57  
 In order to stop its incessant singing, Irving and Dave give Hank the computer a program he can never finish: start with 3; add 4; stop if the sum is even; if not go back to step two. STU
- GOAL 1:A C GOAL 2:A1 A2 A3 GOAL 3:D1 D2 (R)
- 165- 3 INFINITY (SONG) 10230 3:18  
 The song introduces the idea that there is no largest number. The graphics suggest several infinite collections to support the song. SON
- GOAL 1:B C GOAL 2:-0- GOAL 3:D1 B1 (X)
- 165- 4 (INFINITY) NEWSROOM INTERRUPT 16620 :10  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 165- 5 INFINITY (INFINITE REGRESS) 16250 :41  
 The camera zooms in on Beverly sitting in a room with a picture of Beverly sitting in a room with a picture of Beverly sitting in a room -- to illustrate the idea of infinite regress. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:D1 G2 (X)

- 165- 6 ODD AND EVEN HANDS 13590 :35  
Two hands stick out different numbers of fingers, and  
a voice calls out Odd or Even. STU
- GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)
- 165- 7 ODD PAIR 11660 4:14  
Felicia tells Oscarina that adding two odd numbers  
always results in an even number, an odd and an even  
always equals an odd, and adding 2 evens results in  
an even number. STU
- GOAL 1:A C GOAL 2:A1 B3 B4 D1 C2a GOAL 3:B3 B1 (R)  
C2c
- 165- 8 MOEBIUS TRIP BEVERLY 16820 1:11  
Beverly demonstrates how to make a moebius strip, a  
strip of paper with only one side. STU
- GOAL 1:B C GOAL 2:-0- GOAL 3:G6 G7 (X)
- 165- 9 MOEBIUS TRIP 10700 :49  
This animation uses an automobile trip to illustrate  
the one-sidedness of the moebius strip. ANI
- GOAL 1:B GOAL 2:-0- GOAL 3:G6 G7 (X)
- 165-10 INFINITY REPRISE: 1 10231 :02  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 165-11 BLACKSTONE: HEADS OR TAILS 15535 2:54  
After a spectator has turned over pairs of coins from  
a pile of 10 dimes, Blackstone uses the principle of  
parity to correctly determine whether a covered coin  
is heads or tails. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 (X)

165-12 MATHNET:MYSTERY OF THE MALTESE PIGEON-5 14085 9:27  
Thinking logically and mathematically, the  
Mathnetters determine that Bridget stole the bird  
from Gutman - and they trap her into a confession. NET

GOAL 1:A

GOAL 2:A1 B1

GOAL 3:-0-

(R)



166- 1	SHOW OPEN -0-	15950	:46 BUM
	GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
166- 2	HUNDRED SQUARE: COMMON MULTIPLE 8 - 12 This animation takes a number chart through 100, highlights the multiples of 8, then highlights the multiples of 12, and finally highlights the multiples that they have in common.	14136	:12 ANI
	GOAL 1:B	GOAL 2:-0-	GOAL 3:B2 D2 (X)
166- 3	MULTIPLE PIZZAS A customer wants to order enough 8-slice pizzas so that his 12 guests can each have the same number of slices. Instead of buying 12 pizzas, he sees that 3 pizzas (24 slices) will give each guest 2.	10171	5:08 STU
	GOAL 1:A C	GOAL 2:A1 B4 D1 D4 C1c	GOAL 3:B2 A3 (R)
166- 4	HUNDRED SQUARE: COMMON MULTIPLE 8 - 12 This animation takes a number chart through 100, highlights the multiples of 8, then highlights the multiples of 12, and finally highlights the multiples that they have in common.	14136	:12 ANI
	GOAL 1:B	GOAL 2:-0-	GOAL 3:B2 D2 (X)
166- 5	X...IT'S THE SIGN OF THE TIMES The cast gives a Hispanic flavor to this song about the multiplication symbol.	13580	3:33 SON
	GOAL 1:A C	GOAL 2:-0-	GOAL 3:B1 (X)
166- 6	EB: FACTOR TREE 300 This short animation uses a factor tree to break down 300 into its prime factors.	17060	:30 ANI
	GOAL 1:C	GOAL 2:-0-	GOAL 3:B2 B1 (-)

- 166- 7 FACTOR TREE 12350 5:33  
A customer visits the tree nursery of Dr. Pete Moss who sells 'factor trees'. These trees illustrate the prime factor breakdown of different numbers. STU
- GOAL 1:B GOAL 2:-0- GOAL 3:B2 B1 (X)
- 166- 8 BUT WHO'S MULTIPLYING: 9 16808 3:46  
Two contestants attempt to cover three numbers in a row by selecting factors of these numbers from the Factor Board and calling out the resultant products. GAM
- GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 B2 D1 (R)  
C2c F4
- 166- 9 MATHMAN: MULTIPLES OF 6 15680 :57  
Mathman plays a video game in which he must eat only multiples of 6. ANI
- GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 166-10 MATHNET:PROBLEM OF THE TROJAN HAMBURG-1 11041 6:47  
The Mathnetters use a database to locate the kidnapped Hans Ballpeen's abandoned car. They also investigate a gigantic hamburger made of wood. NET
- GOAL 1:A C GOAL 2:A1 B3 GOAL 3:F4 (R)
- 167- 1 SHOW OPEN 15950 :46  
-0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 167- 2 MATHWOMAN AND THE BOY NUMBER - 1 13831 5:14  
When Robert, the Boy Number, knocks over the Math Bookcase, he and Mathwoman must figure out how many 9 foot boards they must buy from Fred, if they need 5 three foot boards and 4 five foot boards. STU
- GOAL 1:A C GOAL 2:A1 A2 B3 B4 B6 GOAL 3:C2 B1 B2 (R)  
D1 D2 C1a

SQUARE ONE TV: WEEK 14

- 167- 3 EB: NUMBER PATTERN 37 (VERSION 1) 17190 :21  
This short animation illustrates a number pattern involving multiples of 3 and multiples of 37. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:D2 (-)
- 167- 4 PERSON ON THE STREET: TESSELLATIONS 13006 1:04  
The Person on the Street Interviewer asks several people if they can define what tessellations are. LAF  
GOAL 1:C GOAL 2:-0- GOAL 3:G3 (X)
- 167- 5 TESSELLATIONS 15810 3:15  
A boppy beach tune illustrates the concept of tessellation as surfers cover their boards and the beach with repeating geometric shapes. SON  
GOAL 1:B GOAL 2:-0- GOAL 3:G3 G6 (X)
- 167- 6 MATHWOMAN AND THE BOY NUMBER - 2 13832 3:19  
Using the Mathcomputer, Mathwoman and Robert successfully determine how many 9 foot boards they should buy to get 5 three foot boards and 4 five foot boards with minimal amounts of waste. PAR  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 167- 7 EB: NUMBER PATTERN 37 (VERSION 2) 17200 :21  
This short animation illustrates a number pattern involving multiples of 3 and multiples of 37. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:D2 (-)
- 167- 8 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 167- 9 BLACKSTONE: MENTAL SPELLER 13442 2:02  
Blackstone asks the cast to choose an object on the table and uses the number of letters in its name as a clue to identifying it. STU  
GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 (X)

167-10 VO: HOW MUCH LEFT -0-	17295	:06 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
167-11 MATHNET: PROBLEM OF THE TROJAN HAMBURG-2 The Mathnetters calculate how much a 7x7x4 ft oak hamburger box would weigh. They return to the scene more quickly than expected, when Orson Kane discovers that someone has stolen the Despair Diamond.	11042	10:55 NET
GOAL 1:A	GOAL 2:A1 A2 B1 B2 B3 B4 C1b C2c C4a	GOAL 3:C2 B1 C3 (R)
168- 1 SHOW OPEN -0-	15950	:46 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)
168- 2 MATHEMATICS R US: FRACTION REDUCER Smilin' Al offers his customers a Fraction Reducer, a machine that automatically reduces fractions. Customers also receive a math scale to ensure that the original and reduced fraction balance.	13680	3:54 STU
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:A3 D1 (X)
168- 3 MATHMAN: EQUIVALENT FRACTIONS (1/3) Mathman plays a video game in which he must eat only fractions equivalent to 1/3.	15650	1:24 ANI
GOAL 1:C	GOAL 2:-0-	GOAL 3:A3 (X)
168- 4 SLOPPY KITCHEN COMMERCIAL Sloppy Poppy demonstrates the Handy Dandy Cake Press, a kitchen device that rearranges pieces of cake. The tool also illustrates that 3/15 is equivalent to 1/5.	14580	2:45 STU
GOAL 1:A C	GOAL 2:-0-	GOAL 3:A3 (X)
168- 5 VO: HAS GONE BY -0-	17301	:05 BUM
GOAL 1:-0-	GOAL 2:-0-	GOAL 3:-0- (-)

- 168- 6 STICK SQUARES - 2 13952 :42  
Alison Smith demonstrates toothpick square tricks to the viewing audience. STU
- GOAL 1:C GOAL 2:A1 B4 D1 D2 C1e GOAL 3:G6 (R)  
C4a
- 168- 7 ACTION AT THE FRACTION BAR 13250 2:24  
This music video takes place at the futuristic Fraction Bar and uses vocabulary words associated with fractions. It also mentions the relation between fractions, decimals, and percents. SON
- GOAL 1:-0- GOAL 2:-0- GOAL 3:A3 A4 A5 (X)
- 168- 8 BUT WHO'S ADDING: 4 16813 4:11  
Two contestants attempt to cover three numbers in a row by selecting addends of those numbers from the Addend board and calling out the resultant sum. GAM
- GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 (R)  
C2c
- 168- 9 EB: OVERLAPPING SQUARES 17180 :32  
This short animation demonstrates the different sized squares found in a 4 x 4 array of square blocks. ANI
- GOAL 1:B C GOAL 2:-0- GOAL 3:C4 G6 (-)
- 168-10 CABOT & MARSHMALLOW: WHAT DAY IS IT? 14720 1:35  
Marshmallow has a Days Of The Week candy bar. It is divided into 7 pieces, each corresponding to a different day of the week. He can tell what day it is by how many sevenths of the bar remain. STU
- GOAL 1:C GOAL 2:-0- GOAL 3:A3 B1 (X)
- 168-11 MATHNET:PROBLEM OF THE TROJAN HAMBURG-3 11043 9:01  
Continuing to recover the Diamond, the Mathnetters calculate how much a carat weighs. They discover a piece of ballon canvas on the scene and discuss how far a helium ballon could travel. NET
- GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B1 C1 C3 (R)  
C3a C4a C4b

- 169- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 169- 2 ANGLE DANCE 10180 2:23  
The rock group Plane Geometry sings a song about angles and uses body movement to illustrate angles, as well. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (X)
- 169- 3 HOW DOES YOUR GARDEN GROW? 11060 4:40  
When Arthur needs to buy grass seed for his lawn, the clerk calculates the area of his yard. When he tells her he wants to plant a hedge around the yard, she sees they need to figure the perimeter. STU  
GOAL 1:A GOAL 2:A1 B3 B4 D1 C1a GOAL 3:C2 G4 (R)  
C4a
- 169- 4 BURGER PATTERN 12140 3:16  
The Fat Boys use hamburgers to illustrate a triangular number pattern. SON  
GOAL 1:A GOAL 2:A1 B4 D1 C1b C3a GOAL 3:D2 D1 B1 (R)
- 169- 5 MCMATH 12190 7:06  
The witch sisters ask McMath to tell them the largest dimensions possible for a rectangular garden surrounded by 48 feet of fence. He learns that a square will give him the largest area. STU  
GOAL 1:A C GOAL 2:A1 A2 B4 B6 C1a GOAL 3:C2 G6 B1 (R)  
C3a
- 169- 6 MATHMAN: EVEN NUMBERS 15590 :58  
Mathman plays a video game in which he must eat only even numbers. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B3 (X)

SQUARE ONE TV: WEEK 14

- 169- 7 EB: PRIME COW #13 17160 :30  
 This short animation illustrates the concept of prime numbers -- using 13 cows. ANI  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:B2 G6 (-)
- 169- 8 MATHNET:PROBLEM OF THE TROJAN HAMBURG-4 11044 8:02  
 Hans Ballpeen returns and tells the Mathnetters that his kidnappers forced him to cut the diamond into 7 pieces. They hypothesize that the burglar got in the house via burger and out via ballon. NET  
 GOAL 1:-0- GOAL 2:A1 B1 GOAL 3:-0- (R)
- 170- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 170- 2 SPADE PARADE: FOUL BALL - 1 13221 3:56  
 When a baseball flies through Spade Parade's window, it contains cryptic clues to a baseball scandal and scam. STU  
 GOAL 1:A C GOAL 2:A1 A2 B1 B3 B4 GOAL 3:B3 B2 (R)  
 D1 C1b C2a C2c  
 C3b C3c
- 170- 3 PERCENTS 15380 2:25  
 This glitzy song expresses the relations among percents, fractions, and decimals. SON  
 GOAL 1:A C GOAL 2:-0- GOAL 3:A5 A3 A4 (X)
- 170- 4 SPADE PARADE: FOUL BALL - 2 13222 4:40  
 Parade uses his knowledge of mathematics to break the code written on the baseball and discover the evil-doers. PAR  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 170- 5 VO: HOW MUCH LEFT 17293 :06  
 -0- BUM  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

170- 6 HARRY'S HAMBURGER HAVEN 14240 2:27  
 As the characters attempt to shoot a commercial for  
 Harry's Hamburger Haven, they note the equivalence of  
 decimal, fraction, and percent. STU

GOAL 1:C GOAL 2:-0- GOAL 3:A4 A5 A3 (X)

170- 7 MATHNET:PROBLEM OF THE TROJAN HAMBURG-5 11045 12:08  
 When a half cup of coffee suddenly becomes full, the  
 Mathnetters know that a solid must have displaced the  
 coffee. They recognize that Hans dropped the diamond  
 in the cup and caused the liquid to rise NET

GOAL 1:-0- GOAL 2:A1 B1 B2 C4b GOAL 3:-0- (R)



- 171- 1 SHOW OPEN  
-0- 15950 :46  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 171- 2 OOPS! RULER 16780 1:11  
A confused character causes a great accident when he  
fails to line up his ruler properly. STU  
GOAL 1:A GOAL 2:A1 A2 B3 D1 GOAL 3:C2 (R)
- 171- 3 MATHEMATIC R US: METER TAPE MEASURE 15880 3:17  
Smilin' Al offers his customers a Perimeter Measuring  
Evaluator that will accurately measure the perimeter  
of any shape up to one meter in length. STU  
GOAL 1:A C GOAL 2:-0- GOAL 3:C2 C1 G6 (X)
- 171- 4 METRIC ELECTRIC LOVER 12730 3:20  
A heavy metal rock band sings a song about the  
different vocabulary used in the Metric and English  
measurement system. SON  
GOAL 1:C GOAL 2:-0- GOAL 3:C1 (X)
- 171- 5 SYMMETRY PATTERNS 12850 1:03  
This animation takes a shape, repeats it  
symmetrically, and continues to repeat each new  
design symmetrically - until the final design is  
sophisticated, and symmetrical. ANI  
GOAL 1:B GOAL 2:-0- GOAL 3:G2 G6 (X)
- 171- 6 COUNTING THE HOUSE 12000 4:27  
Donna Who interviews a famous theater usher who once  
miscounted seats in the theater. Two people had to  
count 3 sections. Because they each counted the  
middle section, the total was off. STU  
GOAL 1:A C GOAL 2:A1 A2 A3 B4 C1b GOAL 3:C4 B1 (R)  
C4a

SQUARE ONE TV: WEEK 15

- 171- 7 BUT WHO'S ADDING: 7 16816 4:33  
Two contestants attempt to cover three numbers in a row by selecting addends of these numbers from the Addend Board and calling out the resultant sum. GAM  
GOAL 1:A C GOAL 2:A1 B4 B6 C1b C1c GOAL 3:B1 D1 C2c (R)
- 171- 8 MATHNET: TRIAL OF GEORGE FRANKLY-1 11021 8:35  
The Mathnetters use a computer to access George's bank records - in a futile attempt to prove that he did not deposit the money he had allegedly stolen. NET  
GOAL 1:-0- GOAL 2:A1 B3 GOAL 3:-0- (R)
- 172- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 172- 2 MATHMAN: FACTORS OF 18 15570 1:12  
Mathman plays a video game in which he must eat all numbers that are factors of 18. ANI  
GOAL 1:C GOAL 2:-0- GOAL 3:B2 (X)
- 172- 3 HARRY & ELMO 12800 5:37  
Harry and Elmo must count out 360 cubes and put them in crates. They keep losing count. They realize that because each crate holds 24 cubes, they can fill'em and multiply the number of crates x 24. STU  
GOAL 1:A C GOAL 2:A1 A3 B4 D1 C2c GOAL 3:C2 B1 C3a C4a C4b (R)
- 172- 4 THINK ABOUT THE PROBLEM 16990 2:56  
This song offers advice to a boy who is confused about which bike to buy. The music video stresses stepping back from a problem and looking at it from another angle. SON  
GOAL 1:A C GOAL 2:A1 A2 B3 C1e C4a GOAL 3:D1 (R)

SQUARE ONE TV: WEEK 15

- 172- 5 BERT AND ERNIE: DOG 14190 :2:34  
 Bert and Ernie learn that the cost of a puppy just  
 begins with the initial purchase. STU
- GOAL 1:C GOAL 2:A1 B2 B3 B4 D2 GOAL 3:B4 B2 (R)  
 C3b
- 172- 6 (B & E DOG) NEWSROOM INTERRUPT:25 14191 :08  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 172- 7 POS VS. NEG JOUSTS: TWO ON ONE 15292 :33  
 When six "negative" clay-mation creatures attack ANI  
 three "positive" clay creatures, three "negative"  
 creatures remain.
- GOAL 1:A GOAL 2:-0- GOAL 3:A6 B1 (X)
- 172- 8 (BLACKSTONE) LEAD-IN & TAG 15540 :09  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 172- 9 BLACKSTONE: MIRASKILL-CANDIES 15550 3:03  
 Blackstone has an even number of candies, 1/2 red, STU  
 1/2 green. The spectator places the candy, 2 at a  
 time, in piles according to color. Blackstone  
 predicts that there will be 2 fewer candies in 1 pile
- GOAL 1:-0- GOAL 2:-0- GOAL 3:B3 A2 (X)
- 172-10 PLANT A SPOON - 1 13841 1:42  
 This commercial offers a Plant-A-Spoon seed kit that ANI  
 contains seeds which sprout spoons of 2 different  
 colors. Planting 3 seeds guarantees a matching pair.
- GOAL 1:A C GOAL 2:-0- GOAL 3:D2 (X)

SQUARE ONE TV: WEEK 15

- 172-11 MATHNET: TRIAL OF GEORGE FRANKLY-2 11022 8:52  
 In their on-going attempt to clear George's name, the  
 Mathnetters compute mileage according to an odometer  
 and estimate distance using rate and time.  
 GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B4 B5 C2 (R)  
 C1a C4a C4b
- 173- 1 SHOW OPEN 15950 :46  
 -0- BUM  
 GOAL 1:-C- GOAL 2:-0- GOAL 3:-0- (-)
- 173- 2 SPADE PARADE: DES MOINES DUCK - 1 12361 5:20  
 Nora Nouveau visits Spade Parade because someone has  
 tried to steal her priceless Des Moines Duck. After  
 Parade hears her story (told via flashback), he can  
 identify the unsuccessful thief.  
 GOAL 1:A C GOAL 2:A1 A2 A3 B1 B3 GOAL 3:F6 (R)  
 B1 C1c C2c C3a  
 C3c
- 173- 3 EB: PRIME COW #7 17140 :30  
 This short animation illustrates the concept of prime  
 numbers -- using 7 cows. ANI  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:B2 G6 (-)
- 173- 4 SPADE PARADE: DES MOINES DUCK - 2 12362 3:49  
 Spade Parade creates a chart that identifies which  
 guests were wearing gloves and carrying luggage. By  
 organizing his information, he can successfully  
 finger the thief. PAR  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 173- 5 SALE, THE 14060 1:09  
 Two girls figure out what twenty percent off a thirty  
 dollar dress is. LAF  
 GOAL 1:A C GOAL 2:A1 A2 B4 C2c GOAL 3:A5 B1 A3 (R)

- 173- 6 (8% OF MY LOVE) LEAD IN  
-0- 11481 :04  
BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 173- 7 EIGHT PERCENT OF MY LOVE 11480 2:47  
Cris uses percentages to sing about the various ways  
his love is divided. As Cris mentions a percentage, a  
drummer displays the corresponding wedge of a pie  
chart. SON  
GOAL 1:A C GOAL 2:-0- GOAL 3:A5 F6 (X)
- 173- 8 SINBAD AND THE TWENTY COINS 14930 3:10  
In order to get to the priceless Thingamajig, Sinbad  
must determine how many dimes and nickels the genie  
has if she has \$1.20 in change. STU  
GOAL 1:A C GOAL 2:A1 A2 A3 B4 B6 GOAL 3:B3 (R)  
D1 D4 C1c C3a
- 173- 9 (SINBAD) NEWSROOM INTERRUPT:28 14931 :08  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 173-10 MATHNET:TRIAL OF GEORGE FRANKLY-3 11023 9:24  
The Mathnetters search a database for all the people  
George has arrested. They cannot find two who borke  
into a bank's computer system and manipulated the  
decimal points of their account balances. NET  
GOAL 1:A C GOAL 2:A1 B1 B3 B4 GOAL 3:F4 A2 (R)
- 174- 1 SHOW OPEN 15950 :46  
-0- BUM  
GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

SQUARE ONE TV: WEEK 15

- 174- 2 VERY NICE 14550 3:57  
 This logic problem involves splitting up pails of milk among 3 farmers so that each farmer carries the same amount of liquid and number of pails.  
 GOAL 1:A C GOAL 2:A1 B1 B4 B6 D1 GOAL 3:A3 B1 (R)  
 D3 C1e C2c
- 174- 3 GROANING WALL III/CEL 11873 2:51  
 Freddy Kohler and the cast tell each other riddles that have a mathematical theme.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 174- 4 EB: PERPENDICULAR LINES 16300 :23  
 This short animation illustrates the difference between parallel and perpendicular lines.  
 GOAL 1:B GOAL 2:-0- GOAL 3:G6 (-)
- 174- 5 PERPENDICULAR LINES 14120 2:05  
 This rock video, colorized with computer graphics, illustrates the various places we find perpendicular lines in the world.  
 GOAL 1:A C GOAL 2:-0- GOAL 3:G6 (X)
- 174- 6 GROANING WALL III/CEL 11873 2:51  
 Freddy Kohler and the cast tell each other riddles that have a mathematical theme.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 174- 7 CAT, BIRD, KIBBLE - 1 16501 2:25  
 In this animation, a girl must solve the problem of how to carry her bird, cat, and bird seed to an island. She can't leave the cat alone with the bird nor the bird alone with the seed.  
 GOAL 1:A C GOAL 2:A1 B1 B5 D1 C1e GOAL 3:E3 (R)  
 C2c C4b

SQUARE ONE TV: WEEK 15

- 174- 8 JOHN MOSCHITA: PETER PIPER S, M, F 17907 :10  
 John Moschita does 3 different versions of the "Peter  
 Piper" tongue twister - slow, medium, and fast. A  
 graph illustrates the different rates as well. STU
- GOAL 1:A GOAL 2:-0- GOAL 3:F5 F6 B5 (X)  
 D2
- 174- 9 CAT, BIRD, KIBBLE - 2 16502 1:42  
 In this continuation of the animation, the young girl  
 successfully solves the problem of getting the cat, PAR  
 bird, and kibble to the island -- without the cat  
 eating the bird or the bird eating the seed.
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 174-10 GROANING WALL III/CEL 11873 2:51  
 Freddy Kohler and the cast tell each other riddles  
 that have a mathematical theme. STU
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (X)
- 174-11 TRANSFORMER 18050 :10  
 -0- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 174-12 MATHNET:TRIAL OF GEORGE FRANKLY-4 11024 13:26  
 The pilot who allegedly flew George off the island to  
 rob the bank uses arithmetic to prove that George had  
 the time to commit the crime. Much to George's  
 surprise, the pilor also identifies him. NET
- GOAL 1:A GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B1 (R)
- 175- 1 SHOW OPEN 15950 :46  
 -3- BUM
- GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)

- 175- 2 HOLD IT NOBODY EAT - 1 12281 2:30  
 When three cast members order a slice of pizza and  
 Arthur orders half a pie, Cris cuts the pie in  
 eighths. Since he has a slice left over, he returns  
 the pie to have it recut.  
 GOAL 1:A C GOAL 2:B4 D1 GOAL 3:A3 (R)
- 175- 3 FIVE-NINETEEN BLUES 16176 1:20  
 This song shows that you can round off a lot of  
 numbers but not the time the train leaves.  
 GOAL 1:A C GOAL 2:-0- GOAL 3:B4 (X)
- 175- 4 HOLD IT NOB 12282 1:05  
 Cris returns with a pizza cut in sixths - a slice for  
 three cast members and half a pie for Arthur - but  
 must return it to be recut when Luisa arrives and  
 wants a slice.  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 175- 5 DROPPED COIN 14040 1:34  
 A boy and a girl use subtraction to figure out how  
 much money the boy dropped down a street grate, if he  
 started with \$1.69 and now has \$1.44.  
 GOAL 1:A C GOAL 2:A1 B4 C1e GOAL 3:B1 (R)
- 175- 6 HOLD IT NOBODY EAT - 3 12283 :40  
 Cris returns yet again with a pizza cut in eighths -  
 a slice for four cast members and half a pie for  
 Arthur. But what are they going to do when Reg  
 arrives?  
 GOAL 1:-0- GOAL 2:-0- GOAL 3:-0- (-)
- 175- 7 EB: NUMBER PATTERN SQUARE NUMBERS 17220 :20  
 This short animation illustrates a number pattern  
 involving square numbers: square numbers are the sum  
 of consecutive odd numbers starting with 1.  
 GOAL 1:B GOAL 2:-0- GOAL 3:D2 B2 (-)



- 175- 8 ARTHUR BENJAMIN: SQUARING II 16002 4:05  
 Arthur Benjamin, a mathematician from Johns Hopkins University, can perform complicated calculations in his head. He demonstrates short-cuts for squaring 2 and 3-digit numbers to a group of children. STU
- GOAL 1:A B GOAL 2:-0- GOAL 3:B1 A1 (X)
- 175- 9 COUNTIN' OUT THE RHYTHM 11670 2:58  
 This song, staged in a very urban setting, illustrates that there are 4 beats to every musical measure. The song also stresses the idea of subdividing each measure into 8 and 16 beats as well. SON
- GOAL 1:-0- GOAL 2:-0- GOAL 3:D2 B1 (X)
- 175-10 SALE! 14390 2:13  
 Using only the digits 3,5,6,and 9, a clerk must create the lowest possible total price for a set of stereos and speakers. STU
- GOAL 1:A C GOAL 2:A1 A2 A3 B4 B6 GOAL 3:A2 B1 (R)  
 D1 C1e C2a
- 175-11 MATHNET:TRIAL OF GEORGE FRANKLY-5 11025 9:30  
 Kate proves that George could not possibly have left the island and committed the crime because weather conditions would not have allowed the plane to maintain its usual speed. NET
- GOAL 1:A B GOAL 2:A1 B1 B2 B3 B4 GOAL 3:B5 (R)  
 C1a C1e C4a C4b